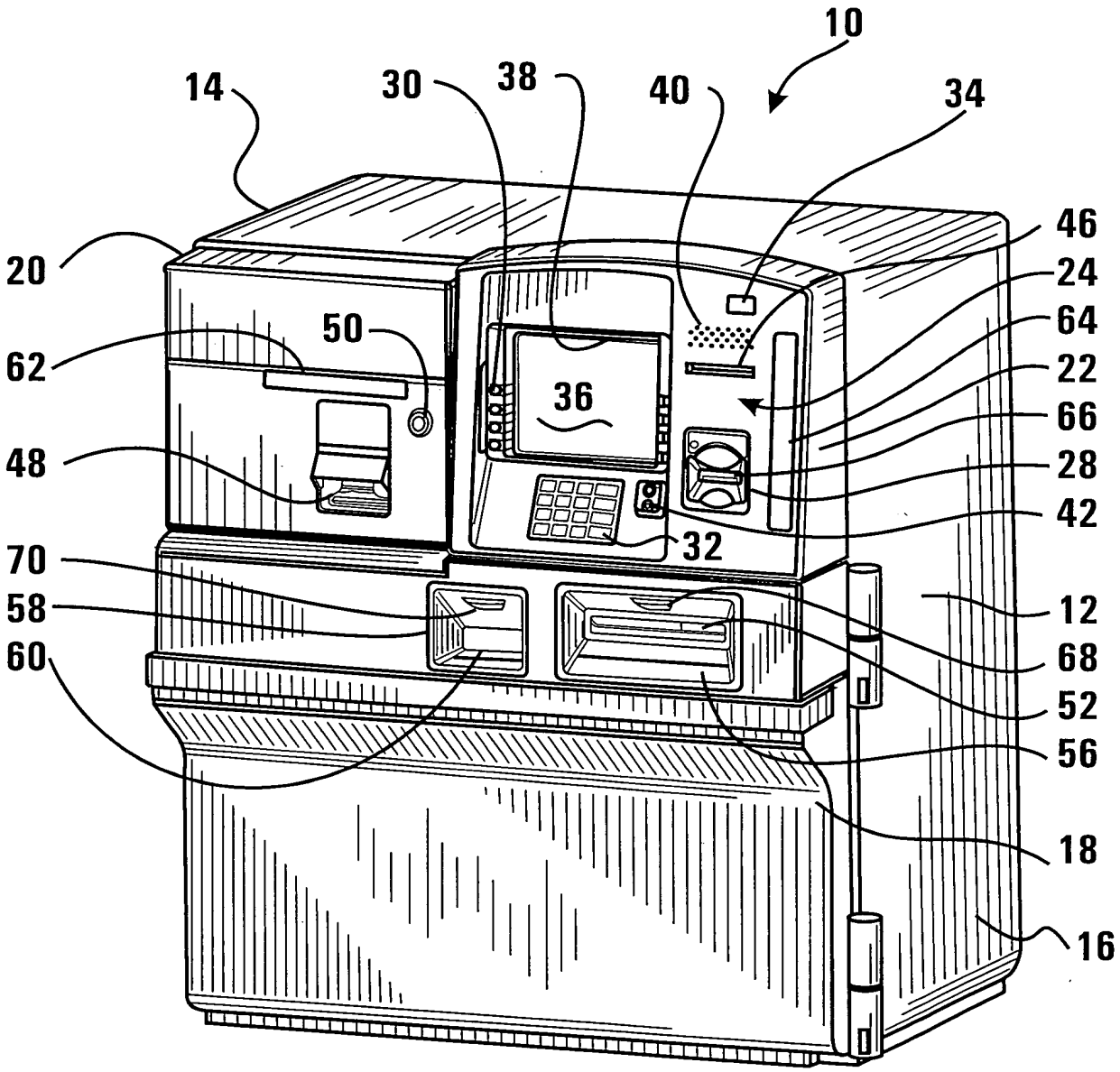
10
14
30
38
40
34
20
46
24
50
64
62
22
36
66
48
28
42
32
70
12
58
68
60
52
56
18
16

FIG. 1

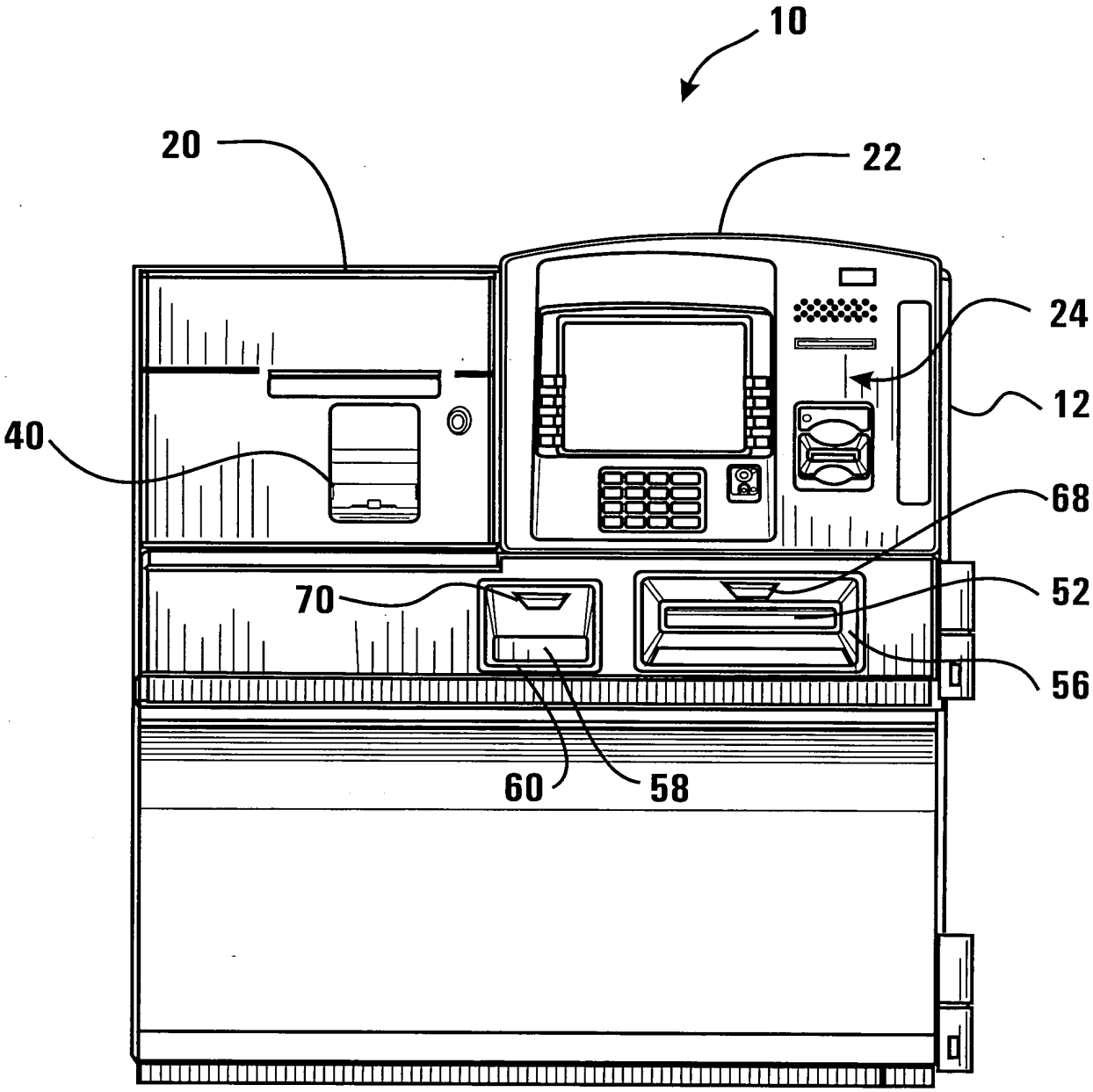

FIG. 2

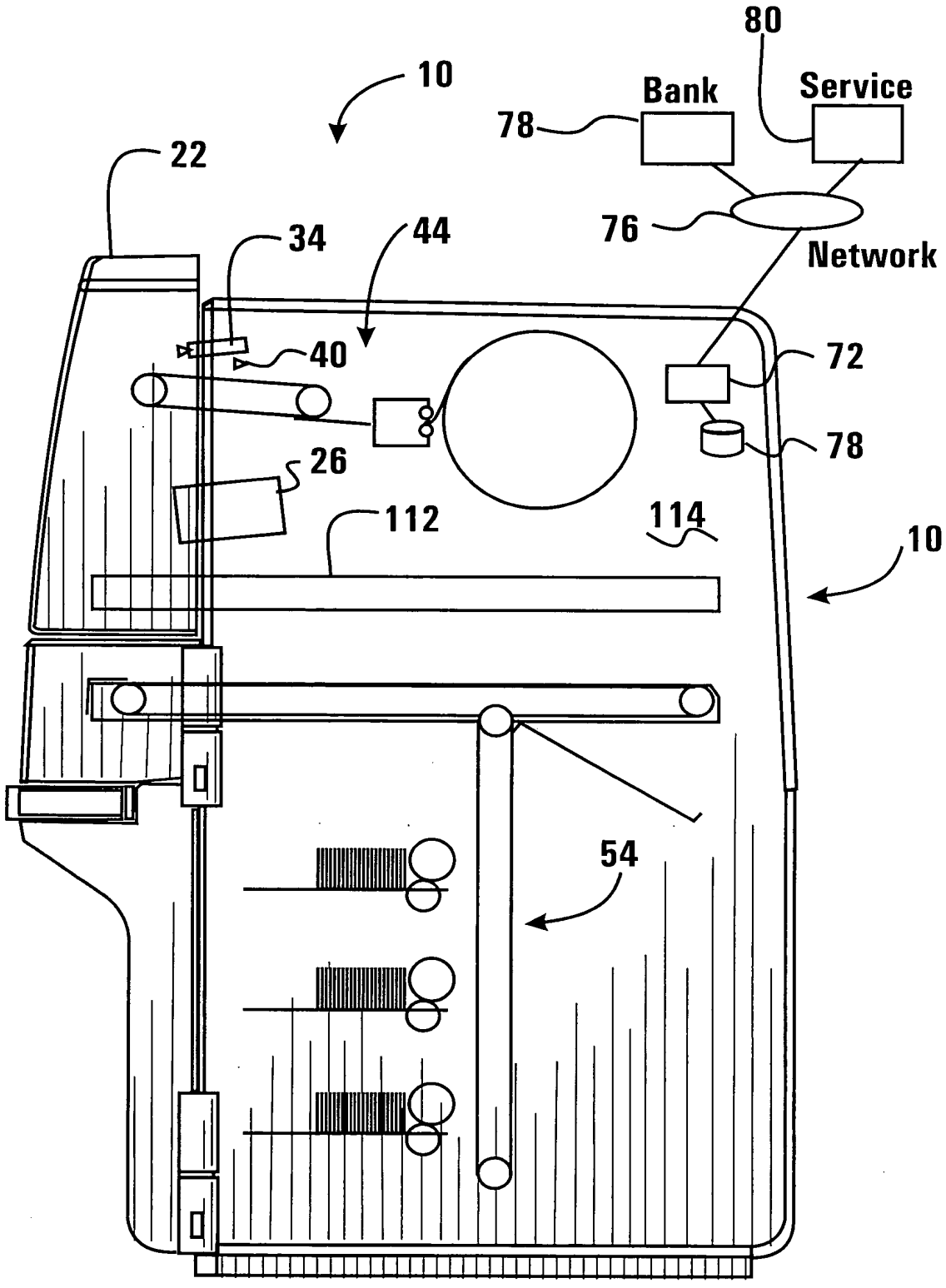
80
10
Bank
Service
78
22
76
34
44
Network
40
72
78
26
112
114
10
54

FIG. 3

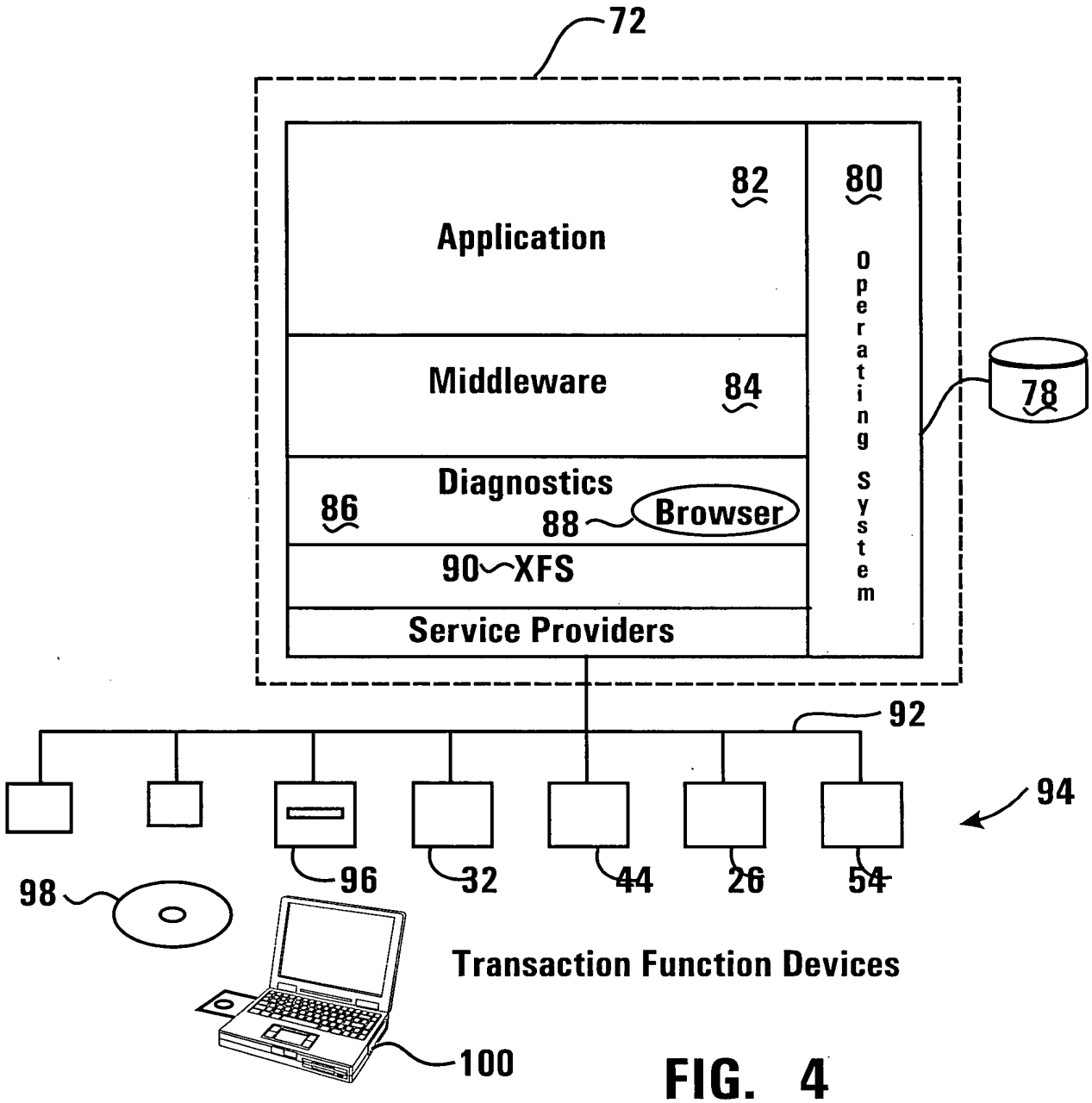
72
82
80
Application
Operating System
Middleware
84
78
Diagnostics
86
88
Browser
90
XFS
Service Providers
92
94
98
96
32
44
26
54
Transaction Function Devices
100

FIG. 4

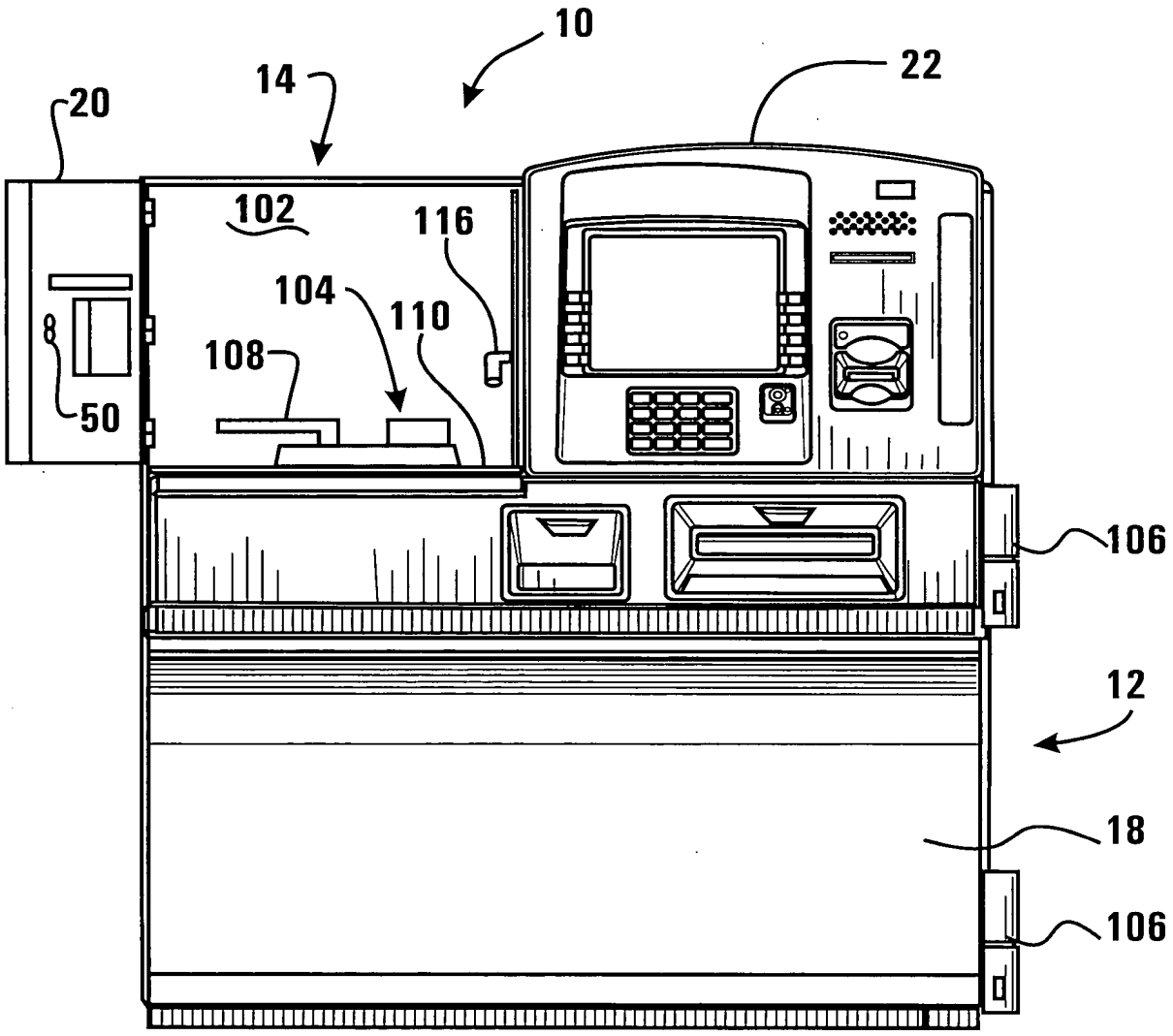

FIG. 5

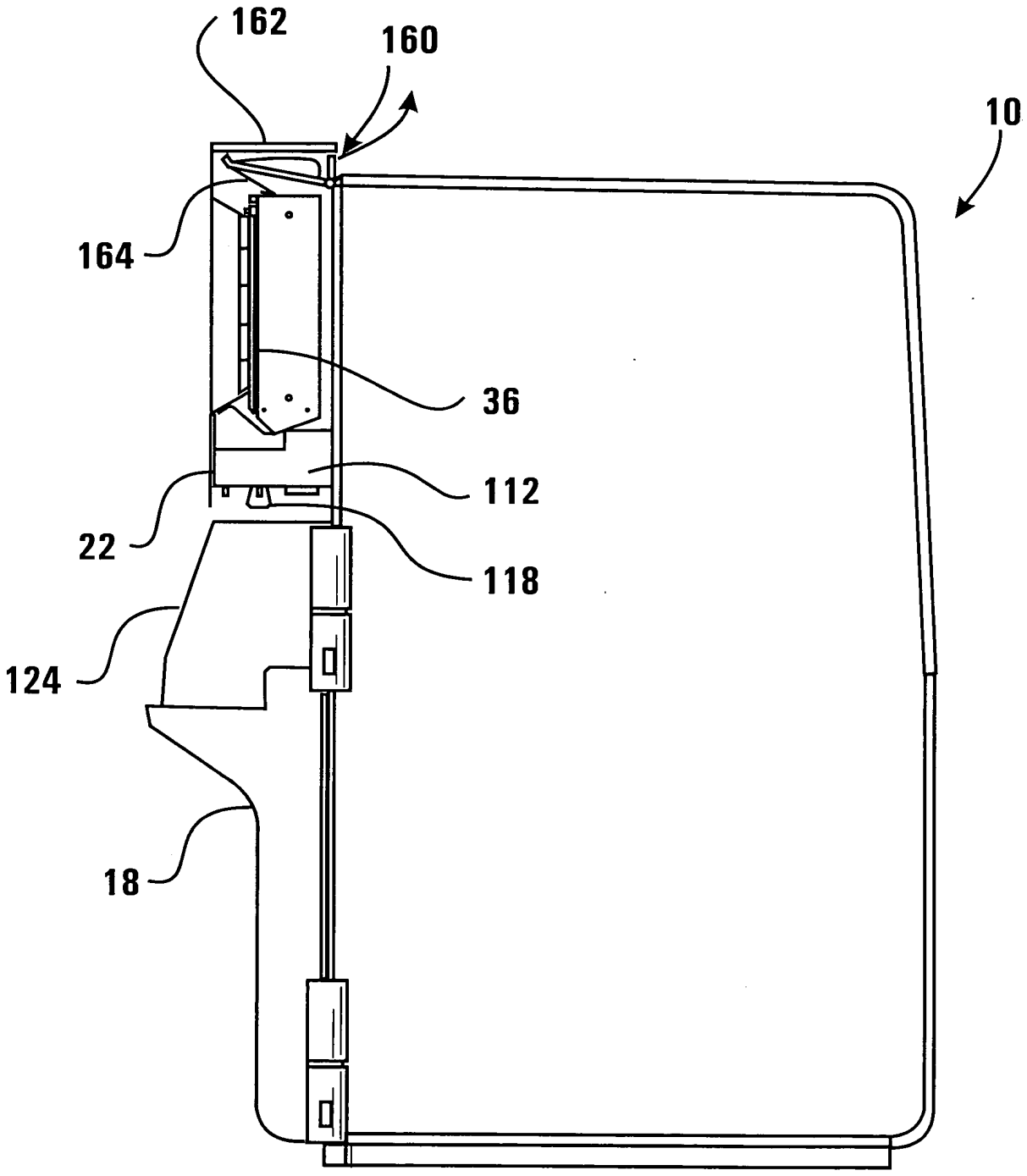

FIG. 6

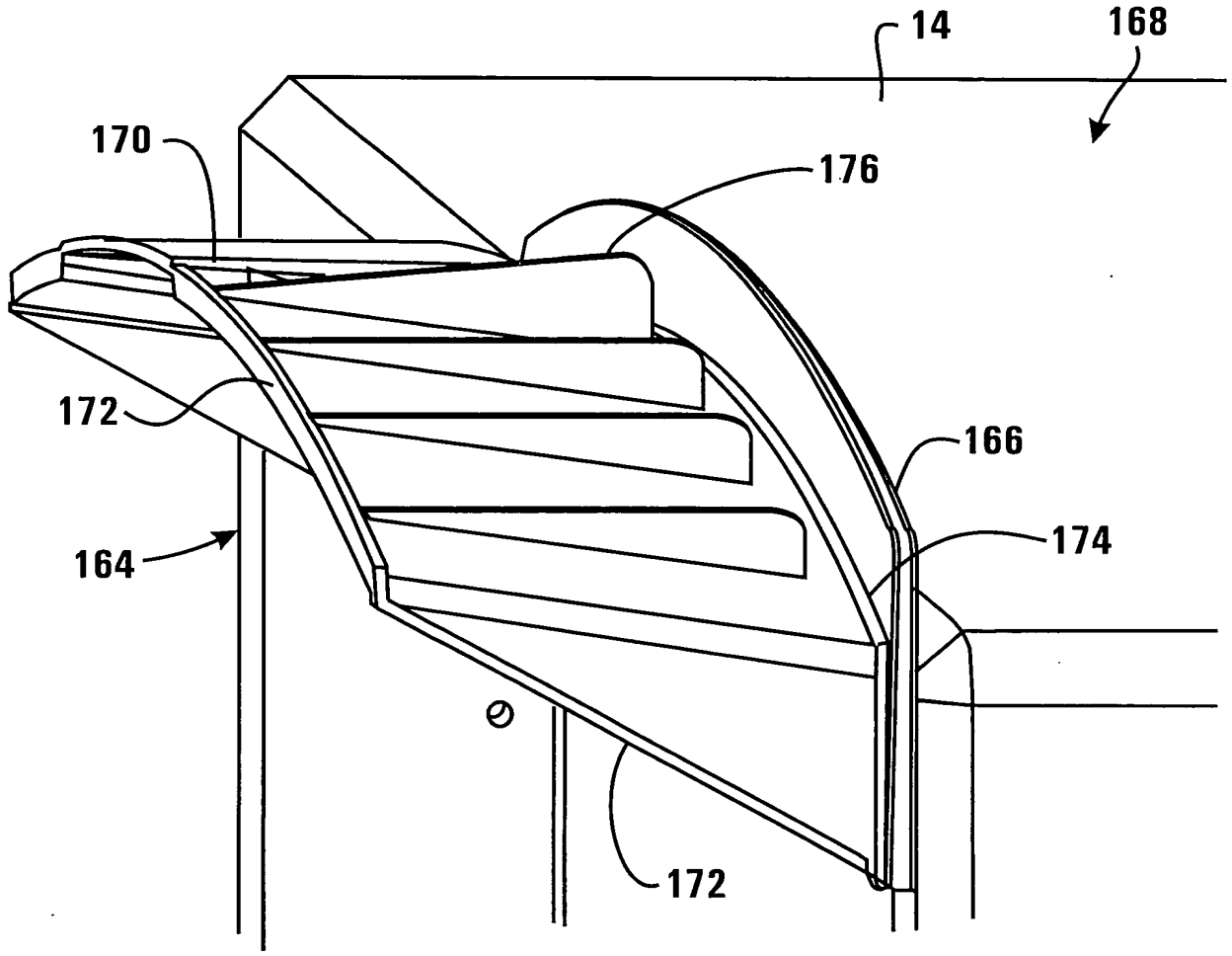

FIG. 7

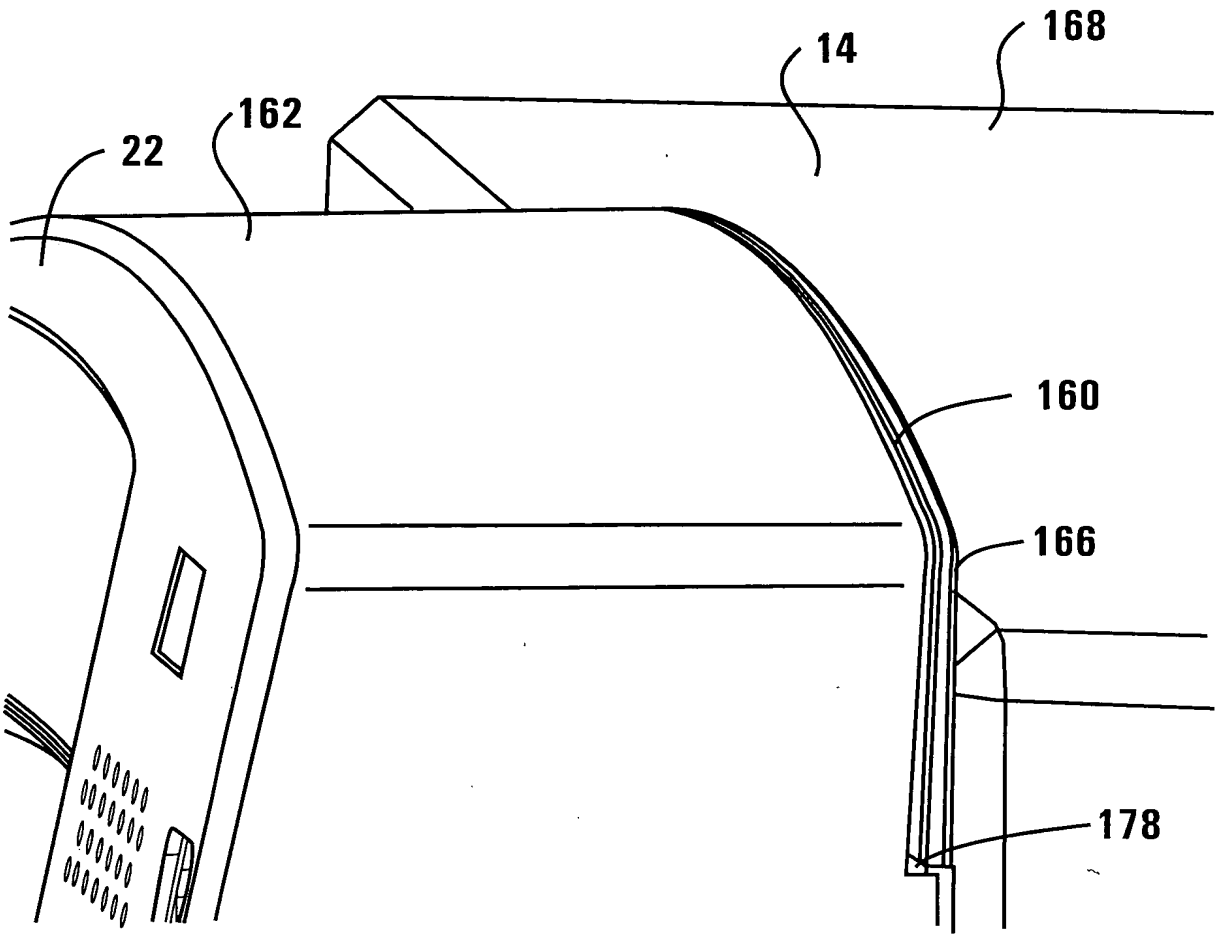

FIG. 8

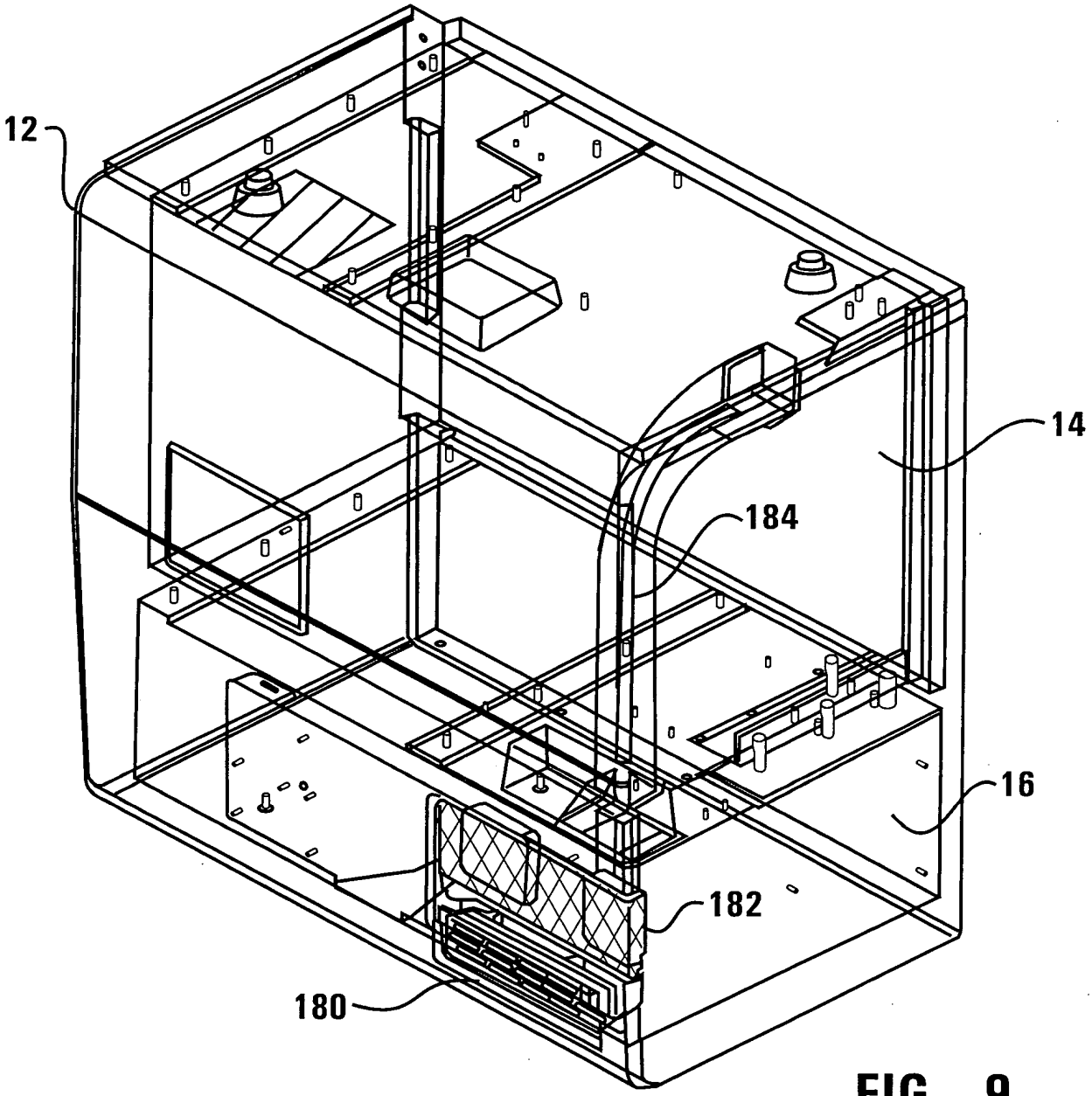

FIG. 9

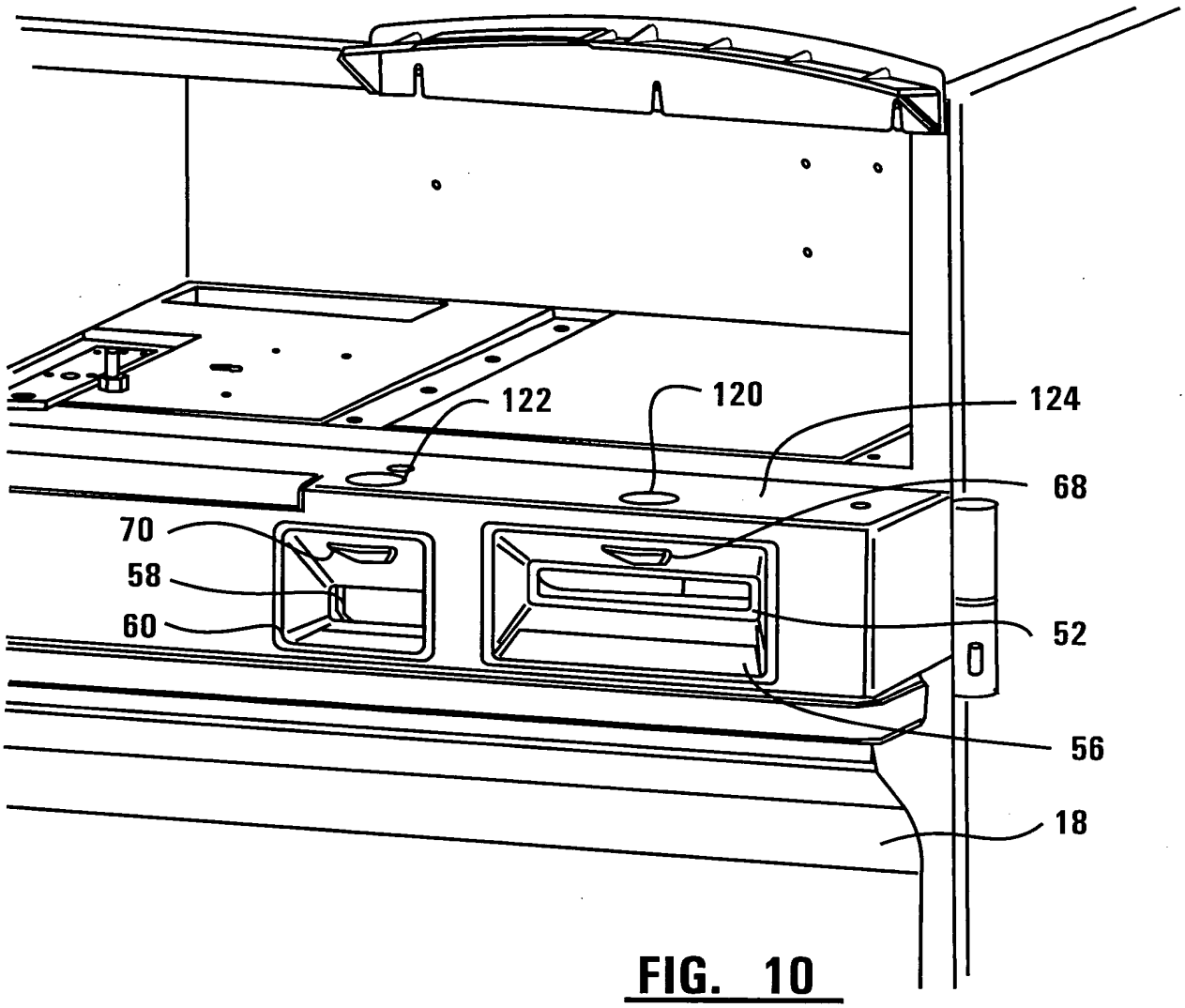

FIG. 10

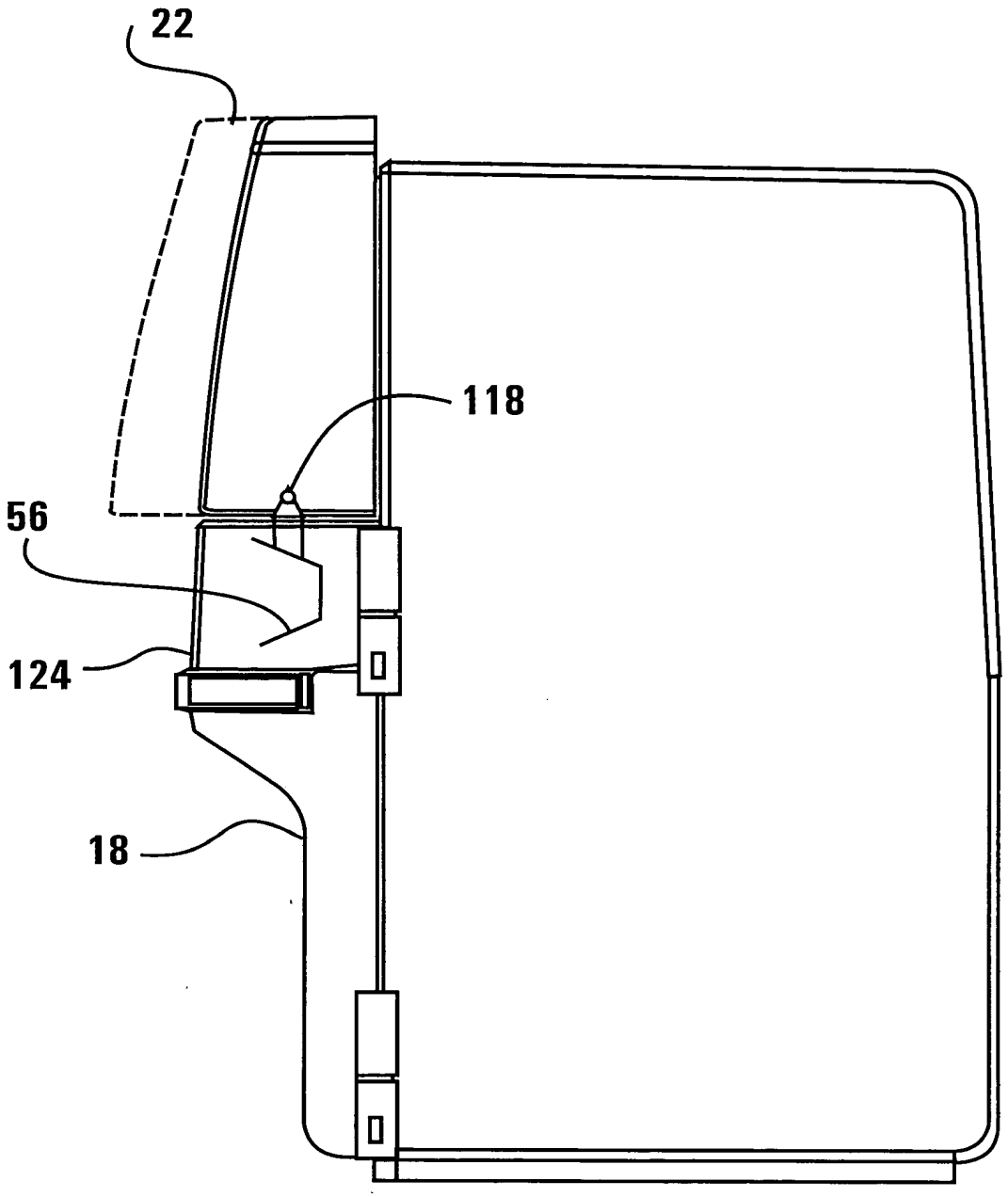

FIG. 11

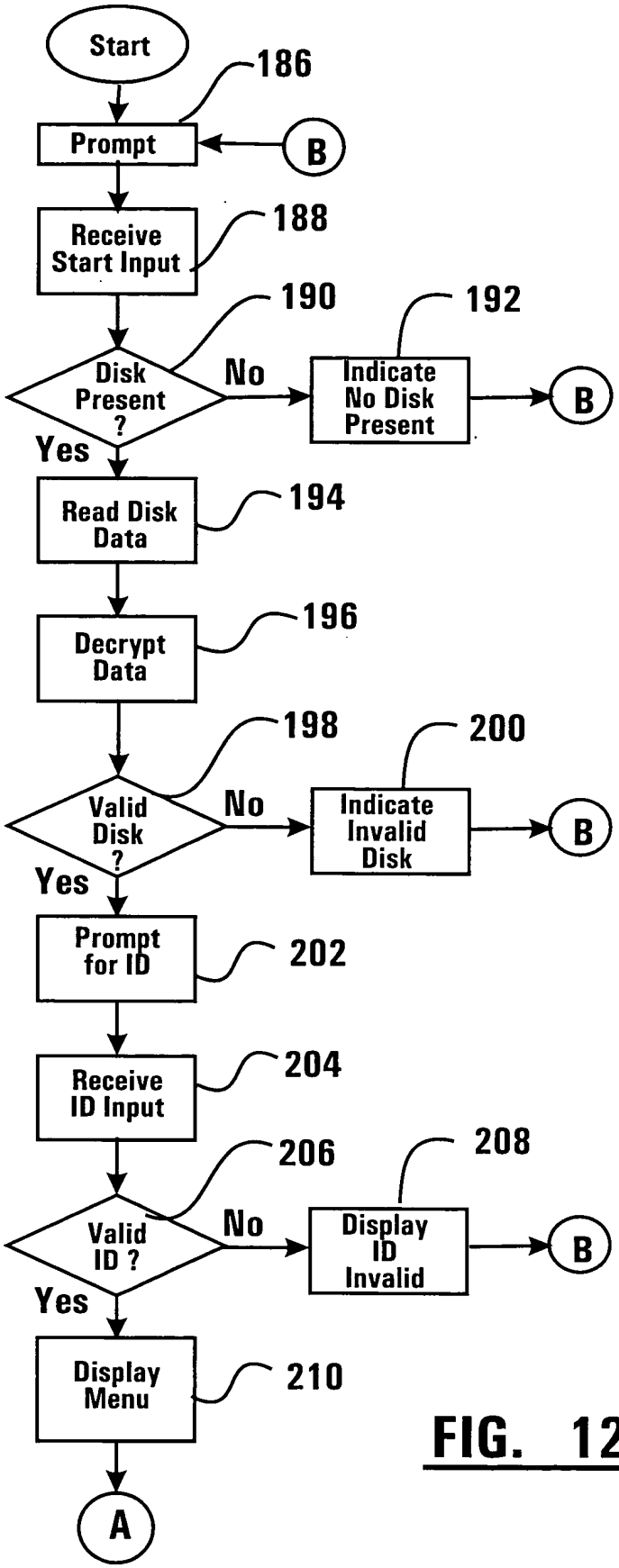
Start
186
Prompt
B
Receive Start Input
188
190
192
Disk Present ?
No
Indicate No Disk Present
B
Yes
Read Disk Data
194
Decrypt Data
196
198
200
Valid Disk ?
No
Indicate Invalid Disk
B
Yes
Prompt for ID
202
Receive ID Input
204
206
208
Valid ID ?
No
Display ID Invalid
B
Yes
Display Menu
210
A

FIG. 12

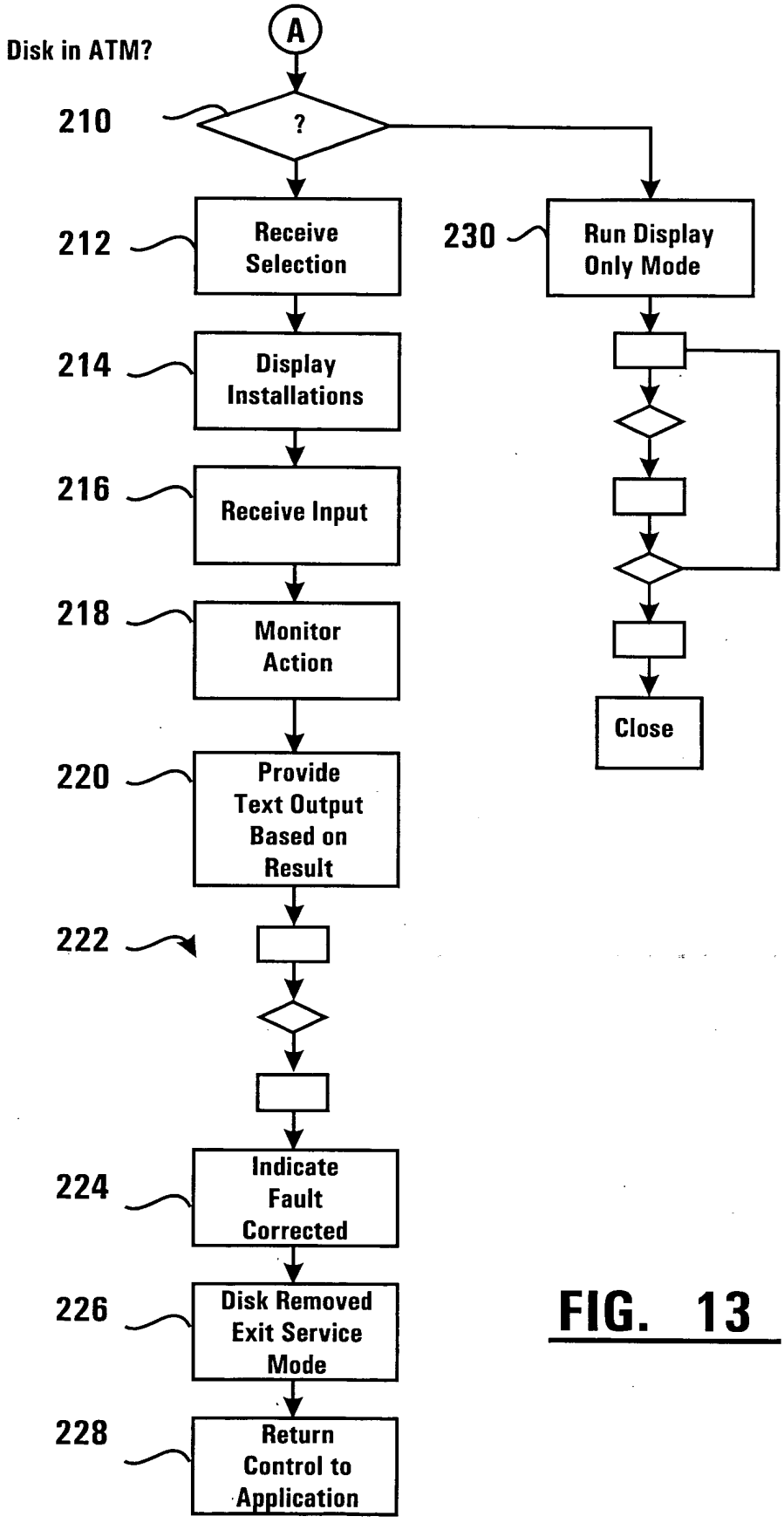
A
Disk in ATM?
210
?
212
Receive Selection
214
Display Installations
216
Receive Input
218
Monitor Action
220
Provide Text Output Based on Result
222
224
Indicate Fault Corrected
226
Disk Removed Exit Service Mode
228
Return Control to Application
230
Run Display Only Mode
Close

FIG. 13

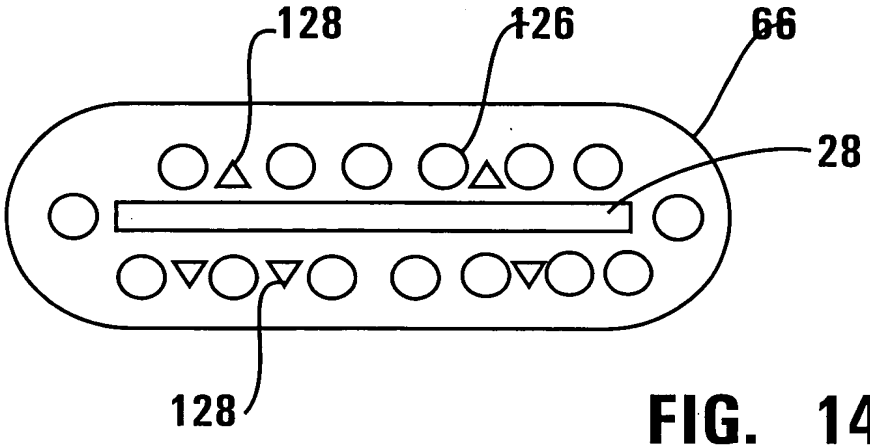

FIG. 14

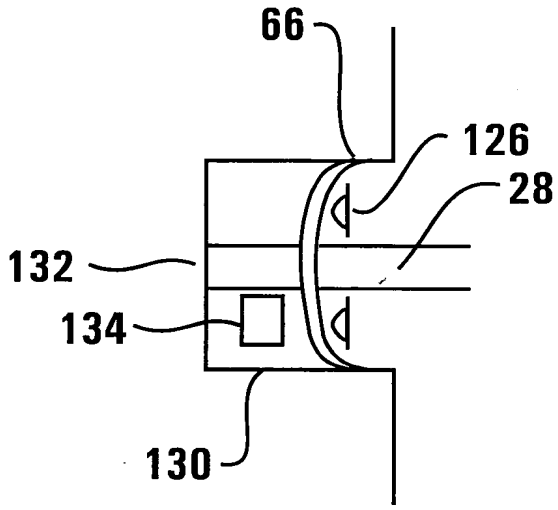

FIG. 15

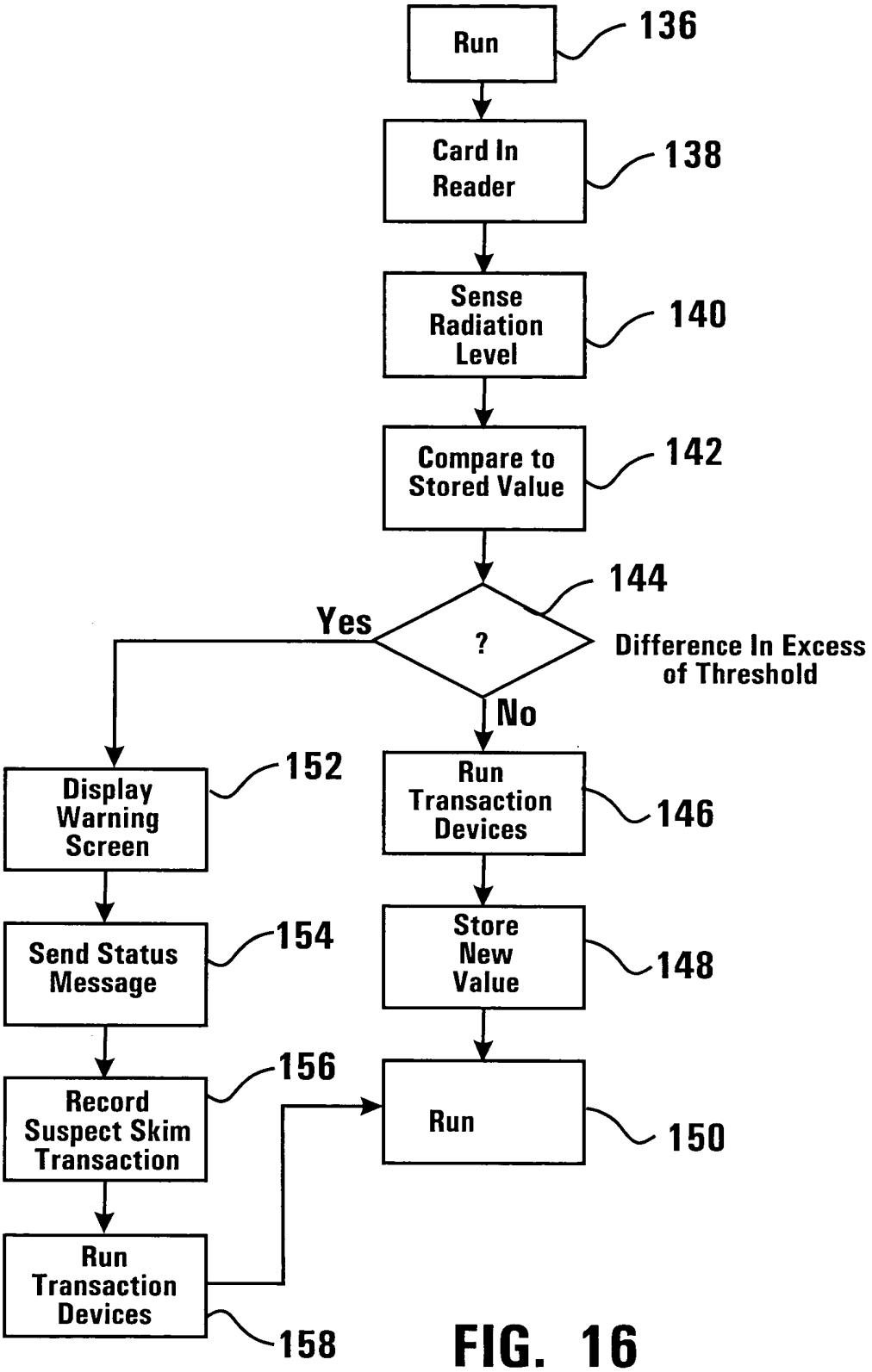
Run
136
Card In Reader
138
Sense Radiation Level
140
Compare to Stored Value
142
144
Yes
?
Difference In Excess of Threshold
No
Display Warning Screen
152
Run Transaction Devices
146
Send Status Message
154
Store New Value
148
Record Suspect Skim Transaction
156
Run
150
Run Transaction Devices
158

FIG. 16

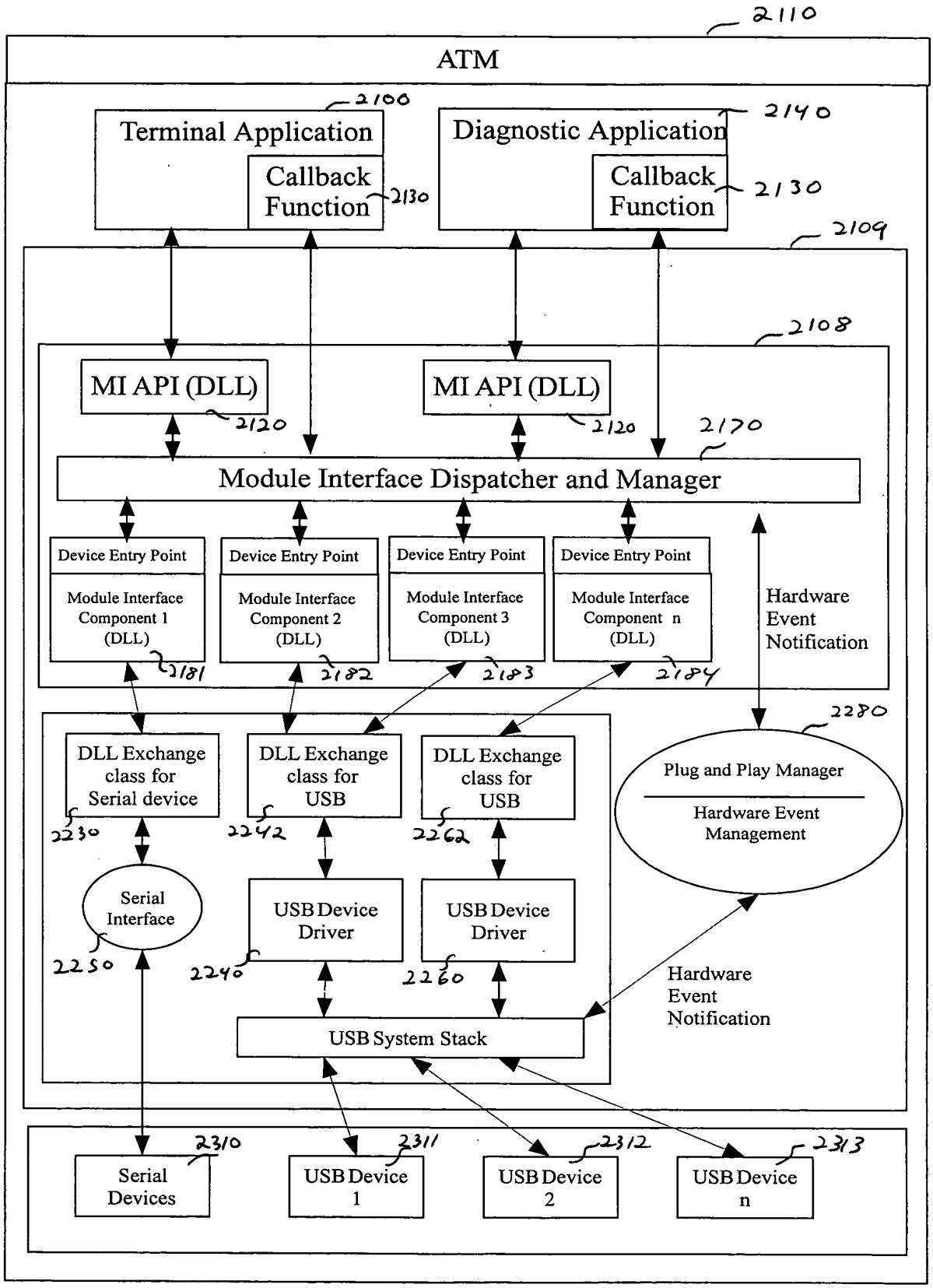
2110
ATM
2100
Terminal Application
Callback Function
2130
2140
Diagnostic Application
Callback Function
2130
2109
2108
MI API (DLL)
2120
MI API (DLL)
2120
2170
Module Interface Dispatcher and Manager
Device Entry Point
Module Interface Component 1 (DLL)
2181
Device Entry Point
Module Interface Component 2 (DLL)
2182
Device Entry Point
Module Interface Component 3 (DLL)
2183
Device Entry Point
Module Interface Component n (DLL)
2184
Hardware Event Notification
2280
Plug and Play Manager
Hardware Event Management
DLL Exchange class for Serial device
2230
DLL Exchange class for USB
2242
DLL Exchange class for USB
2262
Serial Interface
2250
USB Device Driver
2240
USB Device Driver
2260
Hardware Event Notification
USB System Stack
2310
Serial Devices
2311
USB Device 1
2312
USB Device 2
2313
USB Device n

FIG. 17

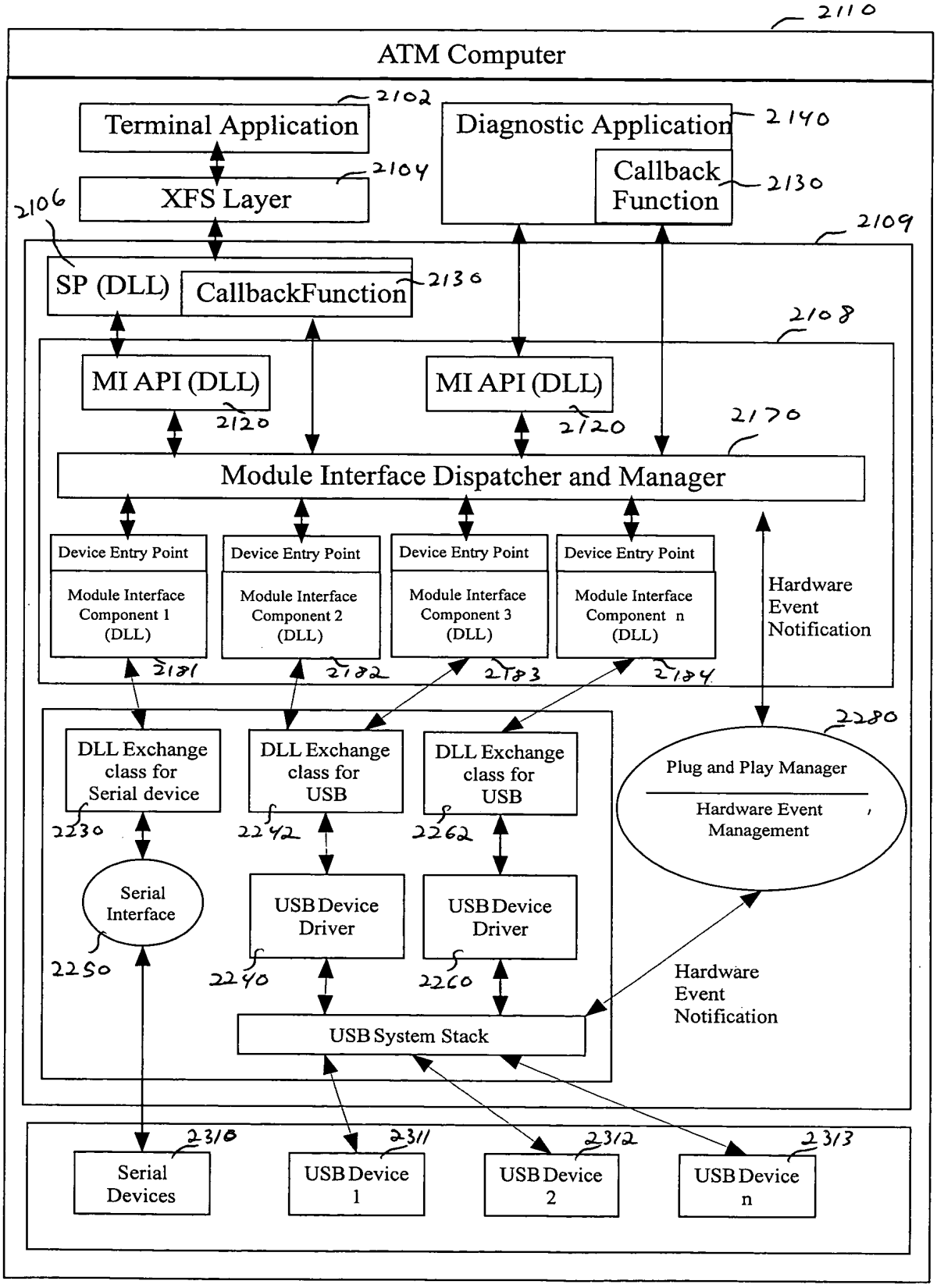
2110
ATM Computer
2102
Terminal Application
Diagnostic Application
2140
2104
XFS Layer
Callback Function
2130
2106
2109
SP (DLL)
CallbackFunction
2130
2108
MI API (DLL)
2120
MI API (DLL)
2120
2170
Module Interface Dispatcher and Manager
Device Entry Point
Module Interface Component 1 (DLL)
Device Entry Point
Module Interface Component 2 (DLL)
Device Entry Point
Module Interface Component 3 (DLL)
Device Entry Point
Module Interface Component n (DLL)
Hardware Event Notification
2181
2182
2183
2184
2280
DLL Exchange class for Serial device
2230
DLL Exchange class for USB
2242
DLL Exchange class for USB
2262
Plug and Play Manager
Hardware Event Management
Serial Interface
2250
USB Device Driver
2240
USB Device Driver
2260
Hardware Event Notification
USB System Stack
2310
Serial Devices
2311
USB Device 1
2312
USB Device 2
2313
USB Device n

FIG. 18

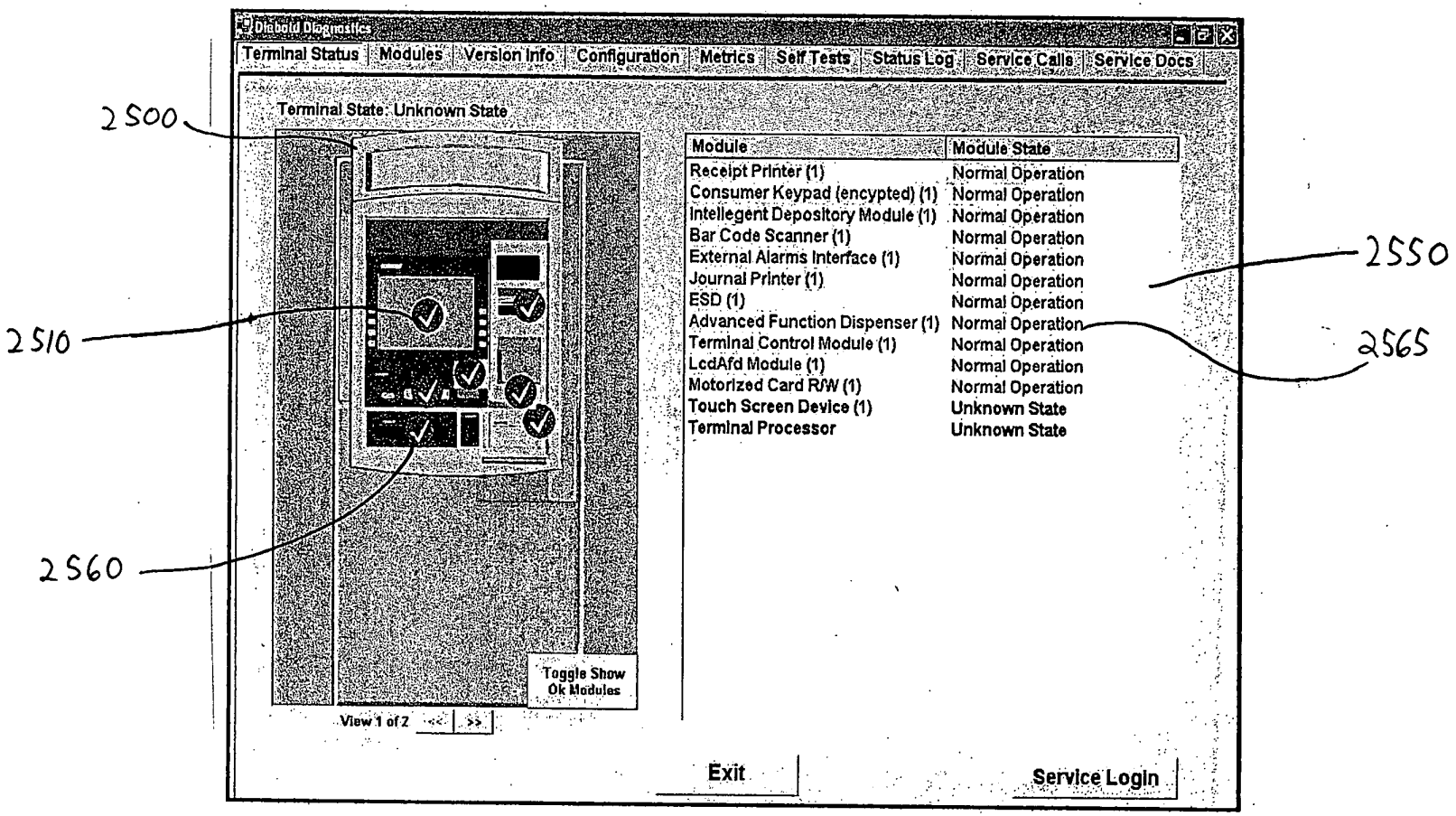
Diebold Diagnostics
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Terminal State: Unknown State
Toggle Show Ok Modules
View 1 of 2
<<
>>
Module
Module State
Receipt Printer (1)
Normal Operation
Consumer Keypad (encypted) (1)
Normal Operation
Intellegent Depository Module (1)
Normal Operation
Bar Code Scanner (1)
Normal Operation
External Alarms Interface (1)
Normal Operation
Journal Printer (1)
Normal Operation
ESD (1)
Normal Operation
Advanced Function Dispenser (1)
Normal Operation
Terminal Control Module (1)
Normal Operation
LcdAfd Module (1)
Normal Operation
Motorized Card R/W (1)
Normal Operation
Touch Screen Device (1)
Unknown State
Terminal Processor
Unknown State
Exit
Service Login
2500
2510
2560
2550
2565

FIG. 19

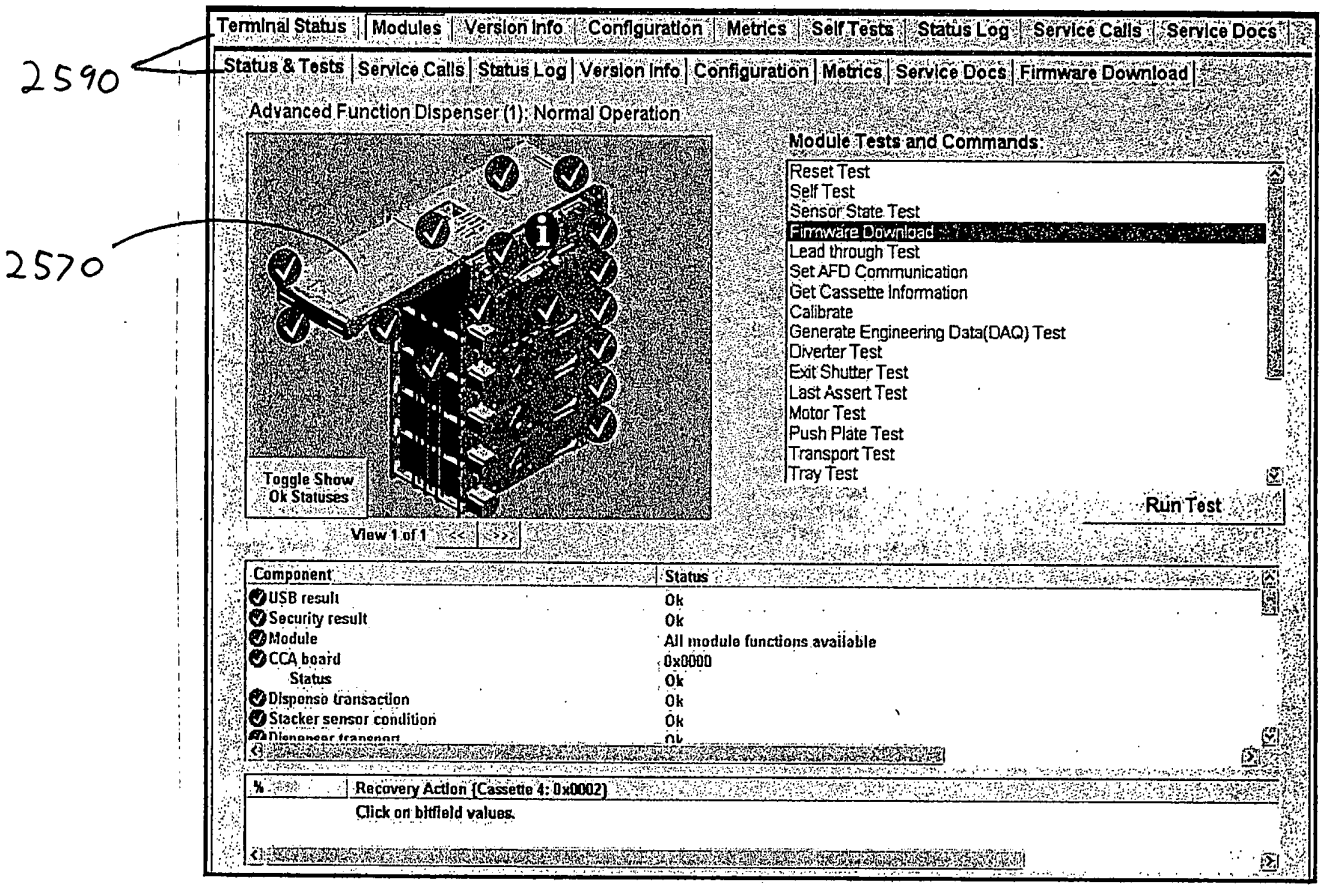
2590
2570
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Status & Tests
Service Calls
Status Log
Version Info
Configuration
Metrics
Service Docs
Firmware Download
Advanced Function Dispenser (1): Normal Operation
Toggle Show Ok Statuses
View 1 of 1
Module Tests and Commands:
Reset Test
Self Test
Sensor State Test
Firmware Download
Lead through Test
Set AFD Communication
Get Cassette Information
Calibrate
Generate Engineering Data(DAQ) Test
Diverter Test
Exit Shutter Test
Last Assert Test
Motor Test
Push Plate Test
Transport Test
Tray Test
Run Test
Component
Status
USB result
Ok
Security result
Ok
Module
All module functions available
CCA board
0x0000
Status
Ok
Dispense transaction
Ok
Stacker sensor condition
Ok
%
Recovery Action (Cassette 4: 0x0002)
Click on bitfield values.

FIG. 20

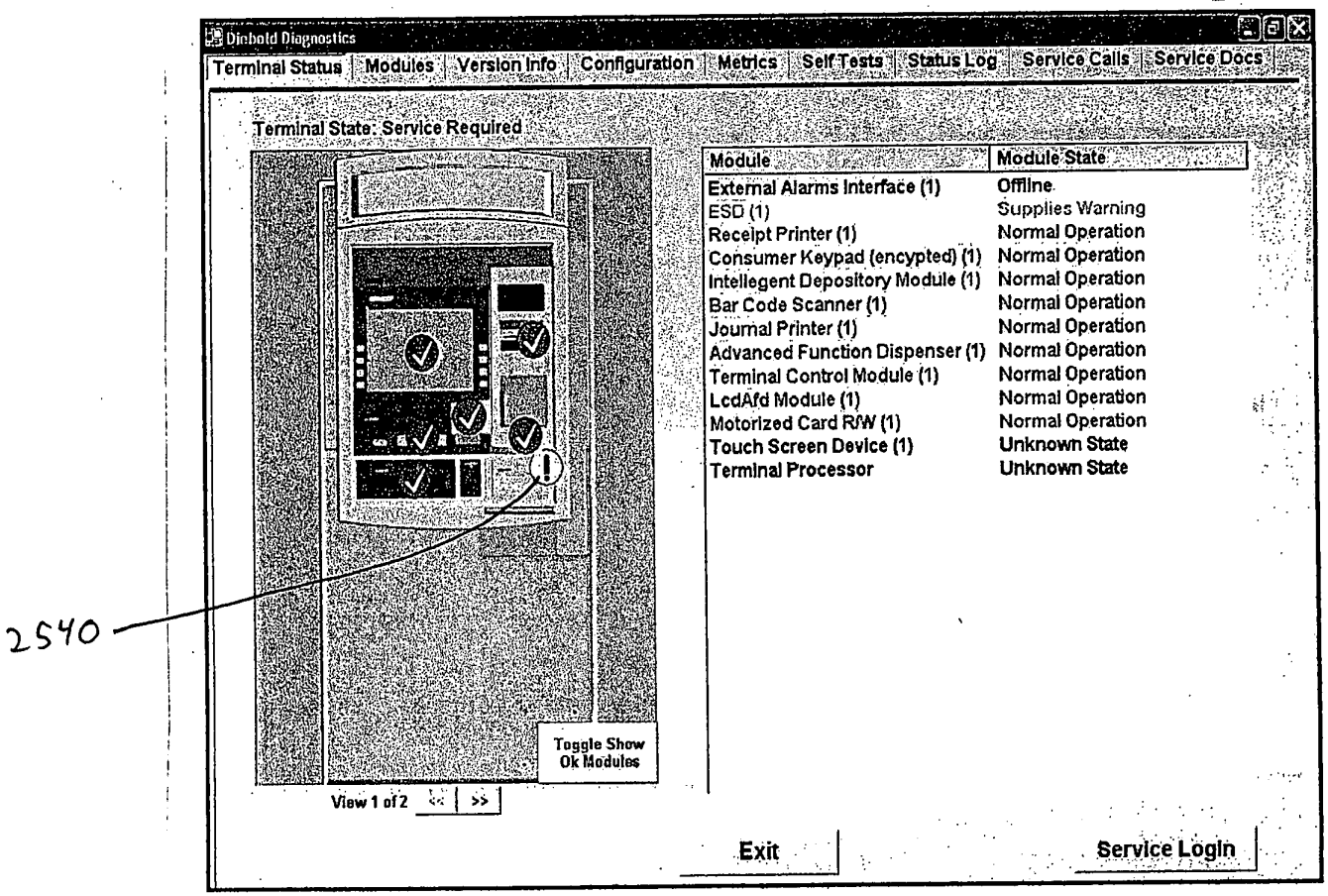
Diebold Diagnostics
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Terminal State: Service Required
Module
Module State
External Alarms Interface (1)
Offline
ESD (1)
Supplies Warning
Receipt Printer (1)
Normal Operation
Consumer Keypad (encypted) (1)
Normal Operation
Intellegent Depository Module (1)
Normal Operation
Bar Code Scanner (1)
Normal Operation
Journal Printer (1)
Normal Operation
Advanced Function Dispenser (1)
Normal Operation
Terminal Control Module (1)
Normal Operation
LcdAfd Module (1)
Normal Operation
Motorized Card R/W (1)
Normal Operation
Touch Screen Device (1)
Unknown State
Terminal Processor
Unknown State
Toggle Show Ok Modules
View 1 of 2
<<
>>
Exit
Service Login
2540

FIG. 21

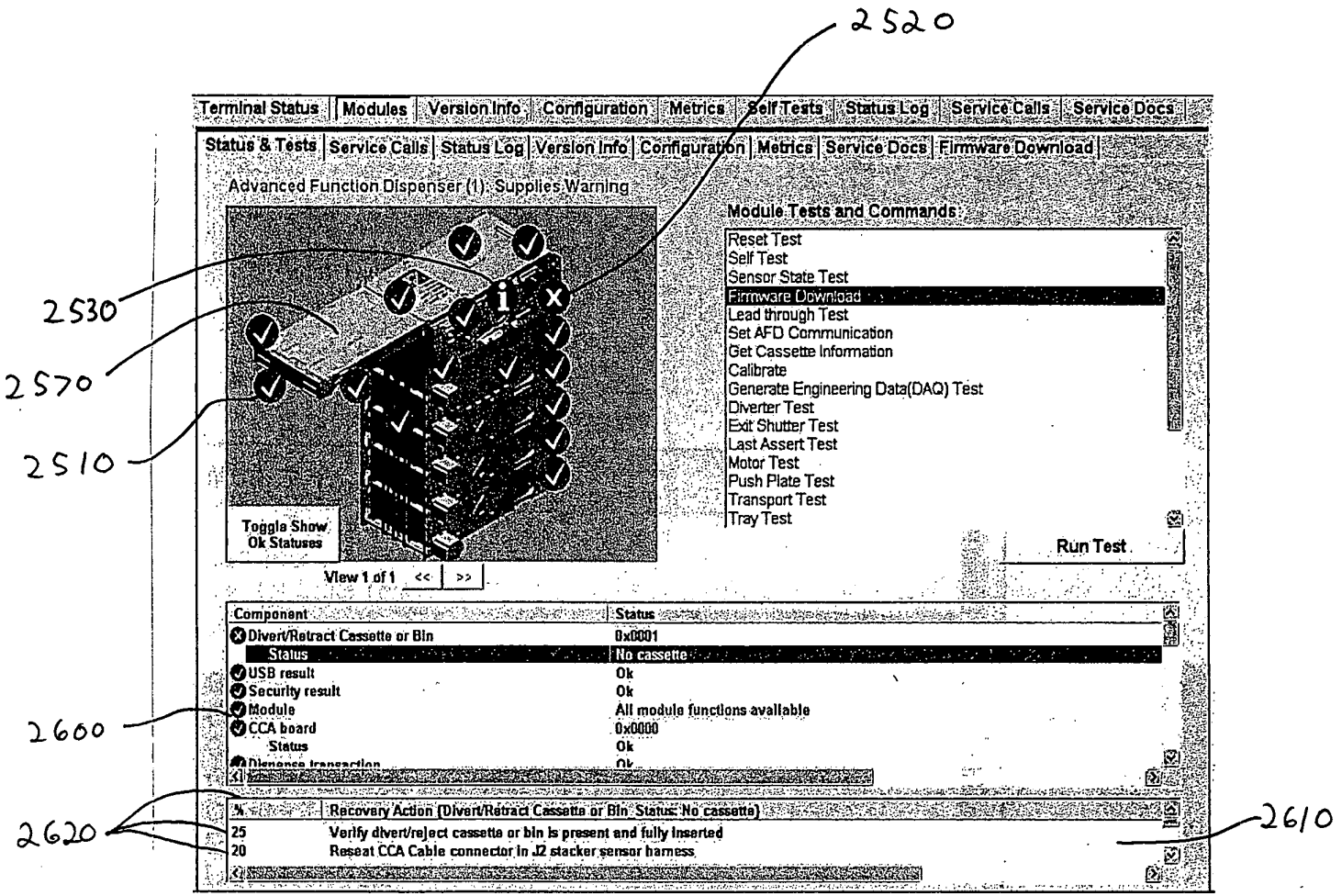
2520
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Status & Tests
Service Calls
Status Log
Version Info
Configuration
Metrics
Service Docs
Firmware Download
Advanced Function Dispenser (1): Supplies Warning
2530
2570
2510
Toggle Show Ok Statuses
View 1 of 1
<<
>>
Module Tests and Commands:
Reset Test
Self Test
Sensor State Test
Firmware Download
Lead through Test
Set AFD Communication
Get Cassette Information
Calibrate
Generate Engineering Data(DAQ) Test
Diverter Test
Exit Shutter Test
Last Assert Test
Motor Test
Push Plate Test
Transport Test
Tray Test
Run Test
Component
Status
Divert/Retract Cassette or Bin
0x0001
Status
No cassette
USB result
Ok
Security result
Ok
Module
All module functions available
CCA board
0x0000
Status
Ok
2600
2620
Recovery Action (Divert/Retract Cassette or Bin, Status: No cassette)
25
Verify divert/reject cassette or bin is present and fully inserted
20
Reseat CCA Cable connector in J2 stacker sensor harness
2610

FIG. 22

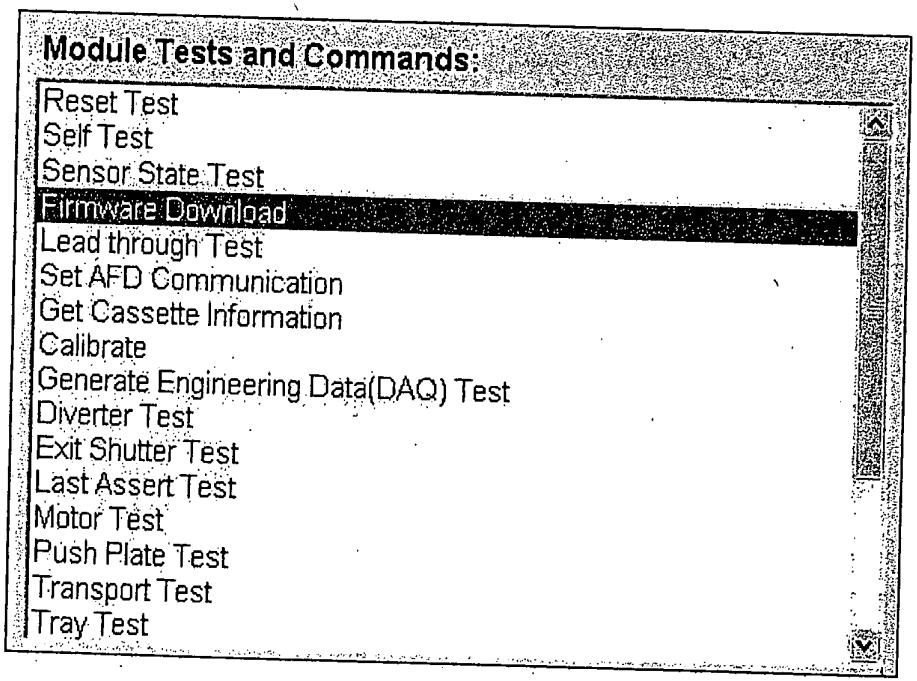
Module Tests and Commands:
Reset Test
Self Test
Sensor State Test
Firmware Download
Lead through Test
Set AFD Communication
Get Cassette Information
Calibrate
Generate Engineering Data(DAQ) Test
Diverter Test
Exit Shutter Test
Last Assert Test
Motor Test
Push Plate Test
Transport Test
Tray Test

FIG. 23

Diebold Diagnostics

Terminal Status | Modules | Version Info | Configuration | Metrics | Self Tests | Status Log | Service Calls | Service Docs

Status & Tests | Service Calls | Status Log | Version Info | Configuration | Metrics | Service Docs

Address: D:\Techpubs\BOOKS\TM-200001-001\TM200001-001-1.htm#35173002 Go

Back | Forward | Home

4.1.2 Replacement

To replace the fascia plate, reverse the removal procedure. Grease the gate with Diebold lubricant (PN 16-003082-000A) before

Figure 4-1 Removing the Lead-through Indicator and Exit

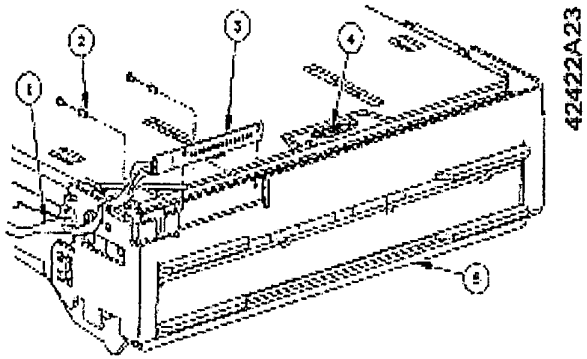

FIG. 24

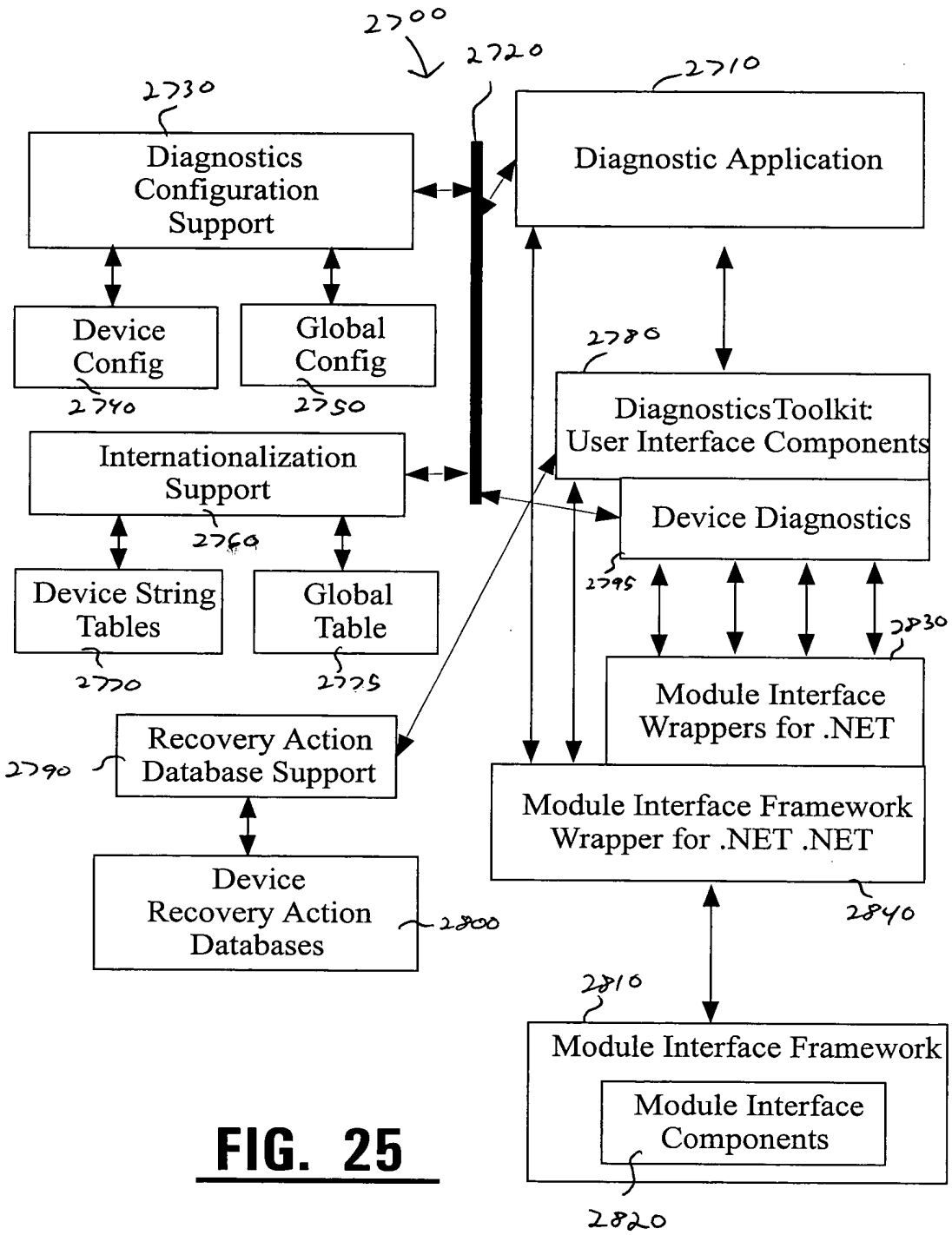
2700
2720
2730
2710
Diagnostics Configuration Support
Diagnostic Application
Device Config
Global Config
2740
2750
2780
DiagnosticsToolkit: User Interface Components
Internationalization Support
2760
Device Diagnostics
2795
Device String Tables
Global Table
2770
2775
2830
Module Interface Wrappers for .NET
Recovery Action Database Support
2790
Module Interface Framework Wrapper for .NET .NET
2840
Device Recovery Action Databases
2800
2810
Module Interface Framework
Module Interface Components
2820

FIG. 25

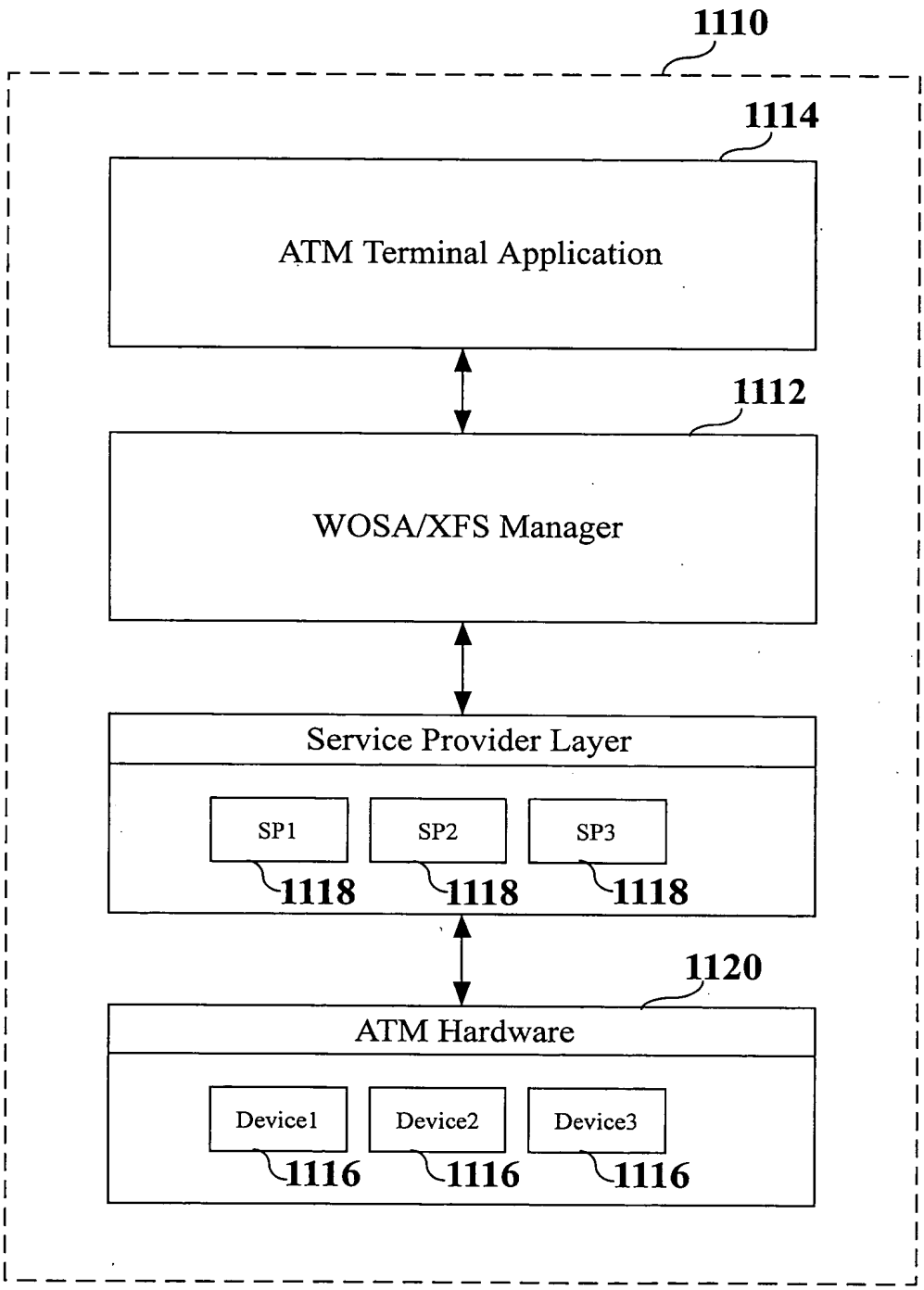
1110
1114
ATM Terminal Application
1112
WOSA/XFS Manager
Service Provider Layer
SP1
SP2
SP3
1118
1118
1118
1120
ATM Hardware
Device1
Device2
Device3
1116
1116
1116

FIG. 26

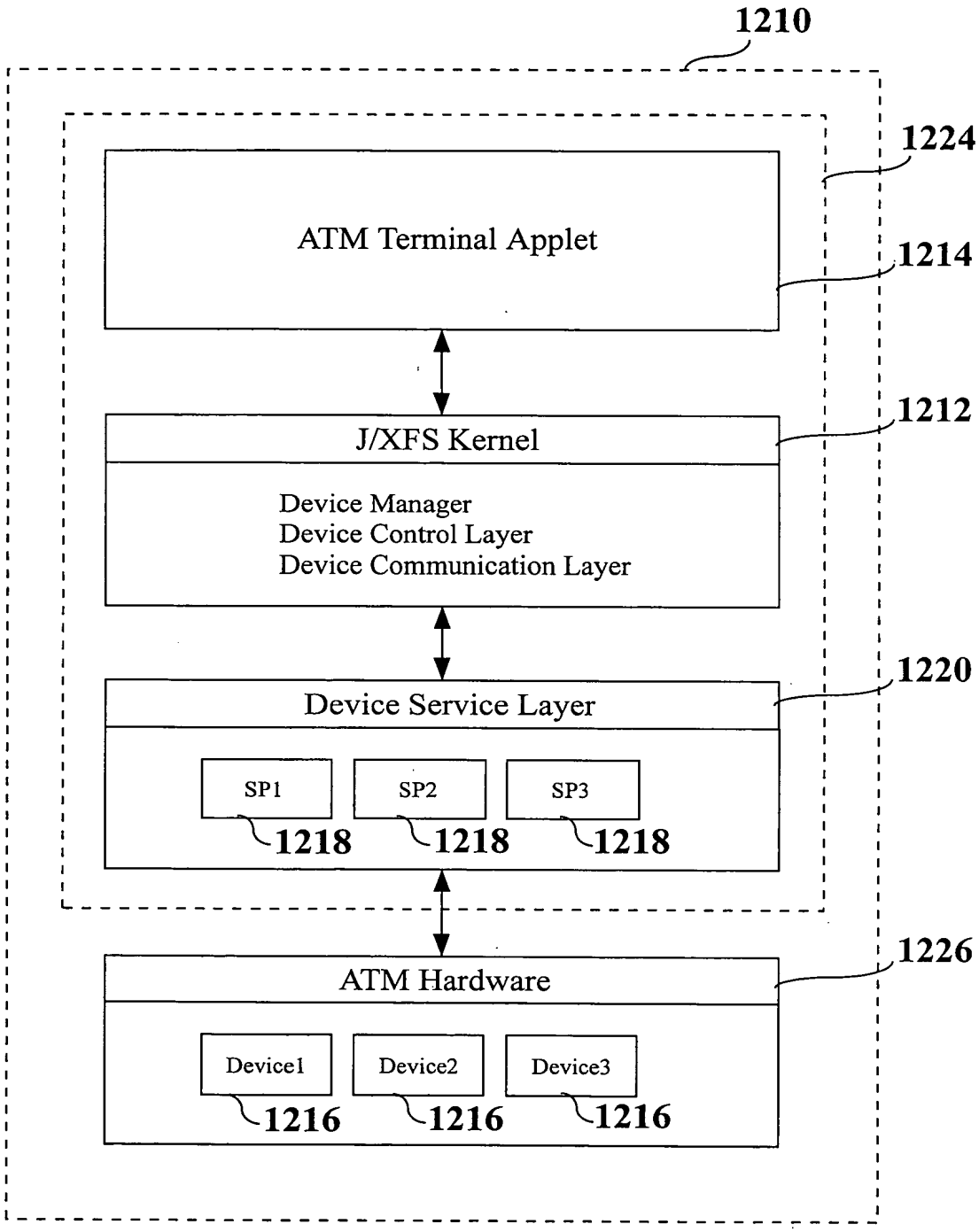
1210
1224
ATM Terminal Applet
1214
1212
J/XFS Kernel
Device Manager
Device Control Layer
Device Communication Layer
1220
Device Service Layer
SP1
SP2
SP3
1218
1218
1218
1226
ATM Hardware
Device1
Device2
Device3
1216
1216
1216

FIG. 27

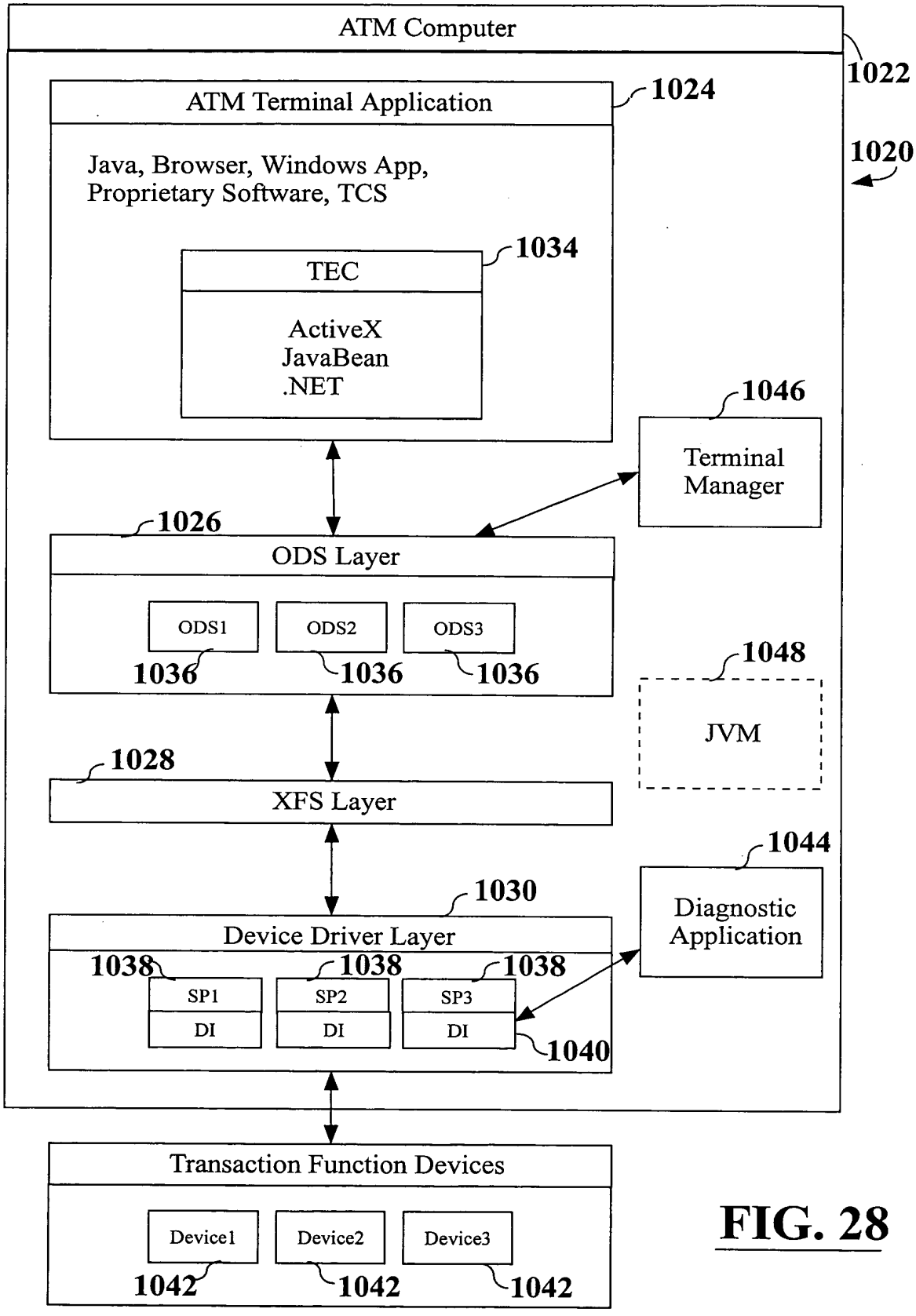
ATM Computer
1022
ATM Terminal Application
1024
1020
Java, Browser, Windows App,
Proprietary Software, TCS
TEC
1034
ActiveX
JavaBean
.NET
1046
Terminal
Manager
1026
ODS Layer
ODS1
ODS2
ODS3
1036
1036
1036
1048
JVM
1028
XFS Layer
1044
1030
Diagnostic
Application
Device Driver Layer
1038
1038
1038
SP1
SP2
SP3
DI
DI
DI
1040
Transaction Function Devices
Device1
Device2
Device3
1042
1042
1042

FIG. 28

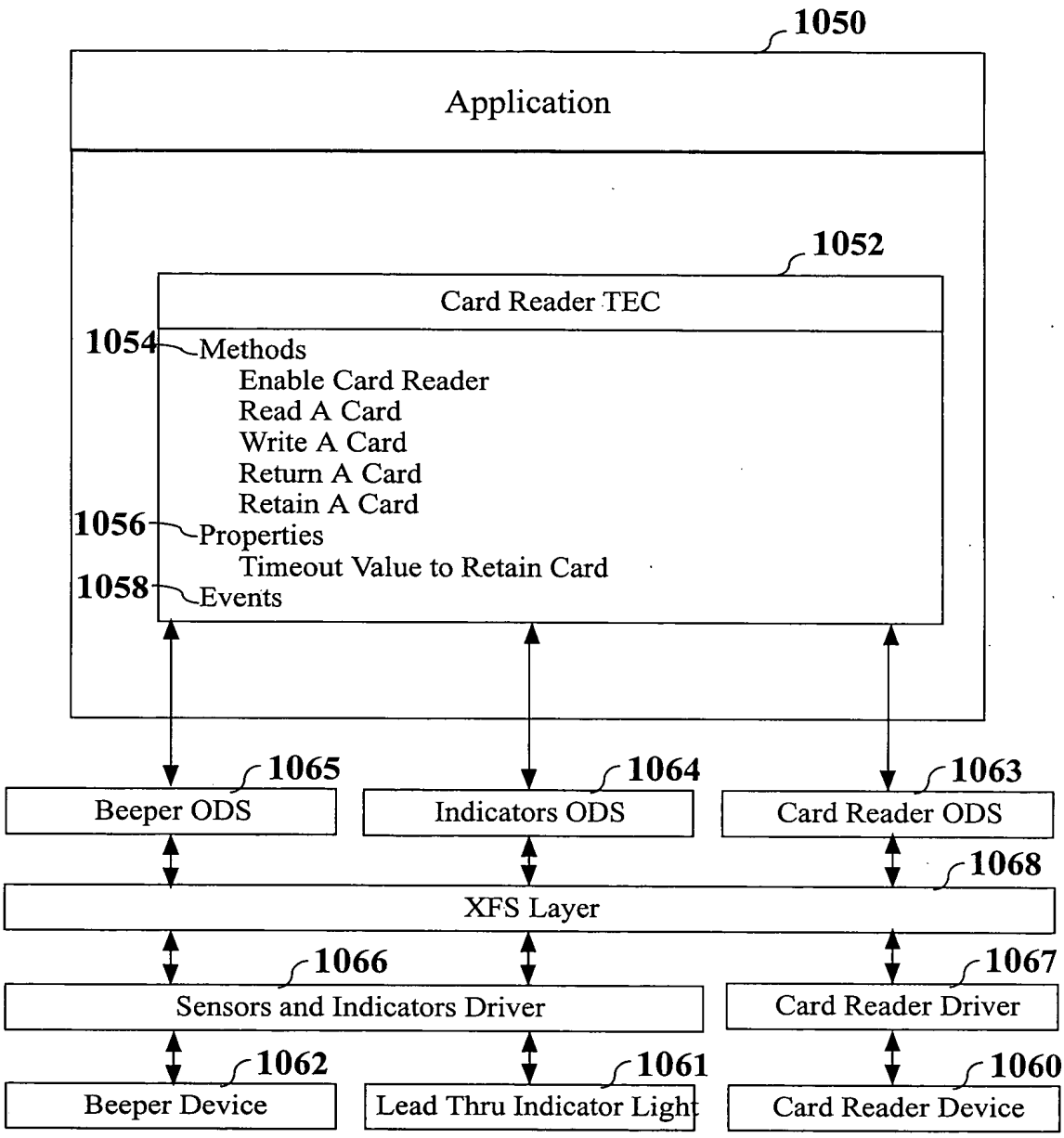
1050
Application
1052
Card Reader TEC
1054
Methods
Enable Card Reader
Read A Card
Write A Card
Return A Card
Retain A Card
1056
Properties
Timeout Value to Retain Card
1058
Events
1065
Beeper ODS
1064
Indicators ODS
1063
Card Reader ODS
1068
XFS Layer
1066
Sensors and Indicators Driver
1067
Card Reader Driver
1062
Beeper Device
1061
Lead Thru Indicator Light
1060
Card Reader Device

FIG. 29

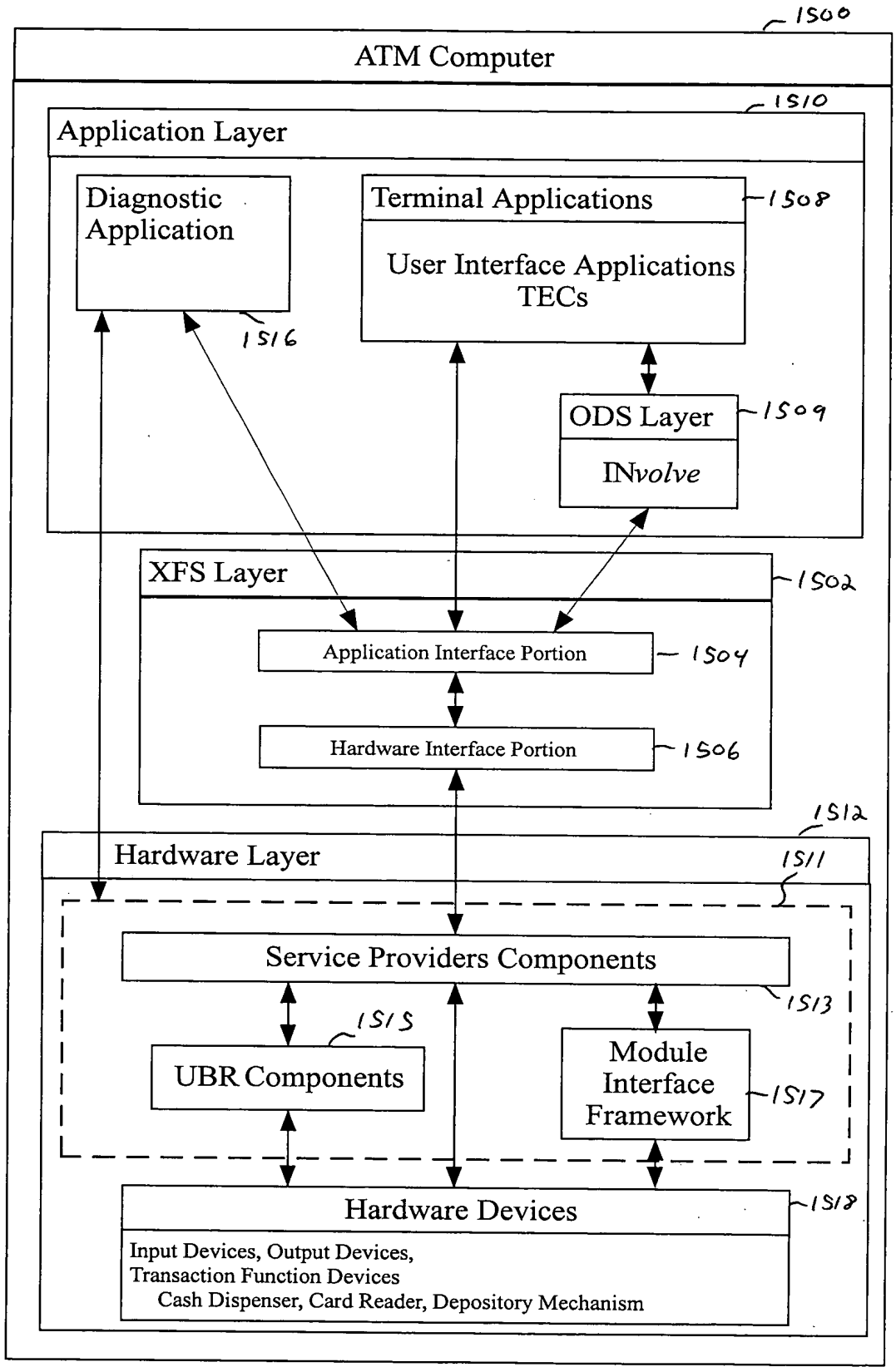
1500
ATM Computer
1510
Application Layer
Diagnostic Application
1516
Terminal Applications
1508
User Interface Applications
TECs
ODS Layer
1509
INvolve
XFS Layer
1502
Application Interface Portion
1504
Hardware Interface Portion
1506
1512
Hardware Layer
1511
Service Providers Components
1513
1515
UBR Components
Module Interface Framework
1517
Hardware Devices
1518
Input Devices, Output Devices,
Transaction Function Devices
Cash Dispenser, Card Reader, Depository Mechanism

FIG. 30

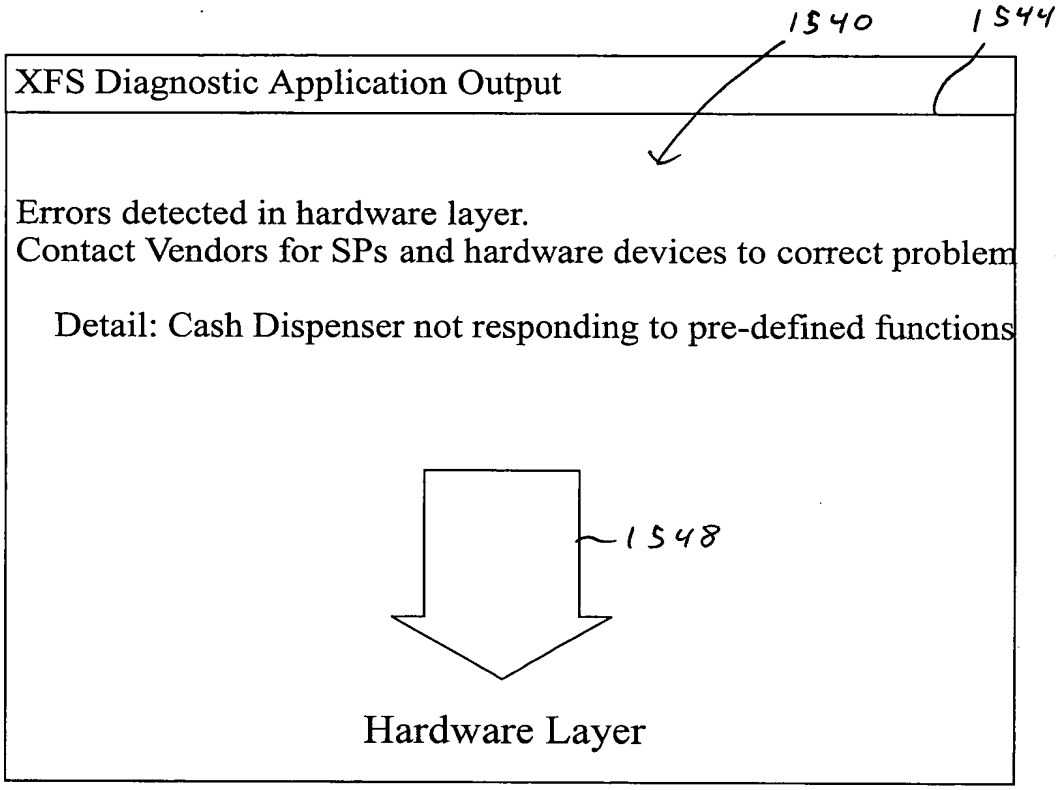
1540
1544
XFS Diagnostic Application Output
Errors detected in hardware layer.
Contact Vendors for SPs and hardware devices to correct problem
Detail: Cash Dispenser not responding to pre-defined functions
1548
Hardware Layer

FIG. 31

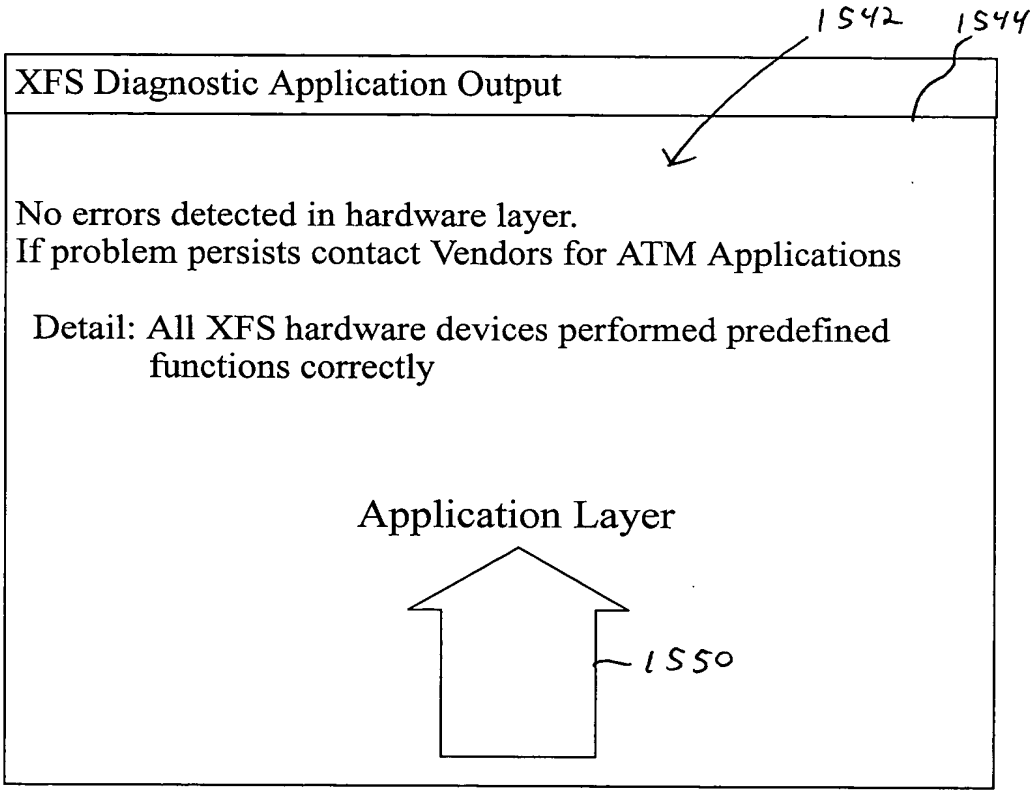
1542
1544
XFS Diagnostic Application Output
No errors detected in hardware layer.
If problem persists contact Vendors for ATM Applications
Detail: All XFS hardware devices performed predefined functions correctly
Application Layer
1550

FIG. 32

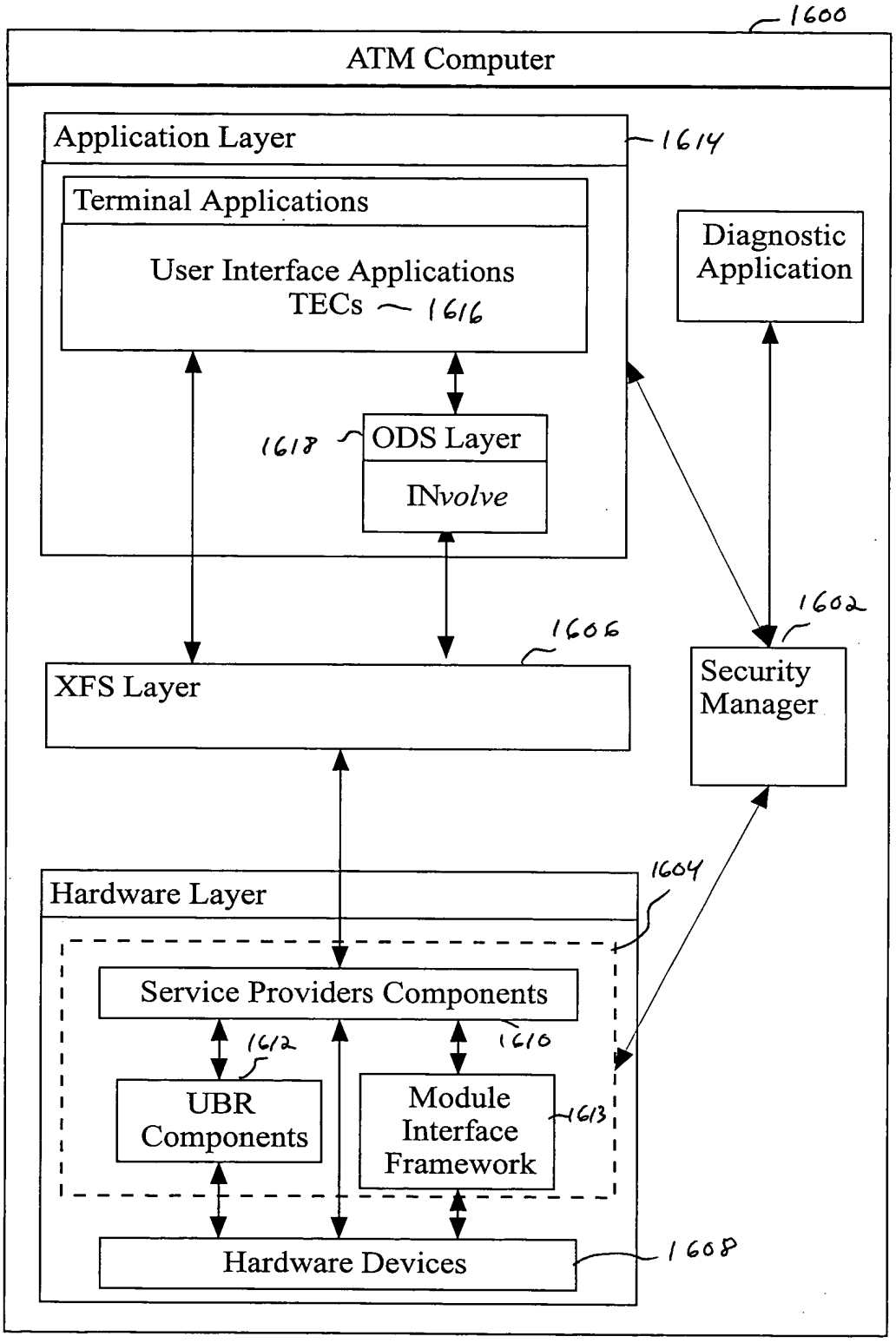
1600
ATM Computer
Application Layer
1614
Terminal Applications
User Interface Applications
TECs
1616
1618
ODS Layer
INvolve
Diagnostic Application
1602
Security Manager
1606
XFS Layer
1604
Hardware Layer
Service Providers Components
1612
1610
UBR Components
Module Interface Framework
1613
Hardware Devices
1608

FIG. 33